

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

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

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

Incident ID	nAPP2135057740
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # nAPP2135057740
Contact mailing address 104 S. 4 th	

Location of Release Source

Latitude 32.83329 Longitude -104.44802
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Achen Frey DM #11	Site Type: Battery
Date Release Discovered: 12/14/2021	API# 30-015-24536

Unit Letter	Section	Township	Range	County
I	14	17S	25E	Eddy

Surface Owner: State Federal Tribal Private (*Hermosa LLC ET AL & Redeemed Holdings LLC ET AL*)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (Unknown)	Volume Recovered (Unknown)
<input checked="" type="checkbox"/> Produced Water	Volume Released (Unknown)	Volume Recovered (Unknown)
	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"/>	Volume/Weight Released	Volume/Weight Recovered

Cause of Release

When conducting final reclamation work of the P&A'd well battery, an area south of the battery showed signs of oil and produced water historical contamination (approximate area, 20' X 70').

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Oil Conservation Division

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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>Robert Asher</u> Title: <u>Environmental Supervisor</u> Signature: <u></u> Date: <u>12-16-2021</u> email: <u>bob_asher@eogresources.com</u> Telephone: <u>575-748-4217</u>
<u>OCD Only</u> Received by: _____ Date: _____

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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?	100 (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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

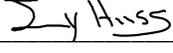
State of New Mexico
Oil Conservation Division

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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: Jeremy Haass Title: S&E Specialist

Signature:  Date: 5/20/2022

email: jeremy_haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: _____ Date: _____

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Remediation Plan

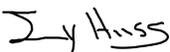
Remediation Plan Checklist: Each of the following items must be included in the plan.

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

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

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

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

Printed Name: Jeremy Haass Title: S&E Specialist
 Signature:  Date: 5/20/2022
 email: jeremy_haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Facility ID	
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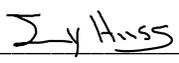
Closure

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: Jeremy Haass Title: S&E Specialist
 Signature:  Date: 12/30/2022
 email: jeremy_haass@eogresources.com Telephone: 575-748-4311

OCD Only

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

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

Closure Approved by:  Date: 01/30/2023
 Printed Name: Jennifer Nobui Title: Environmental Specialist A



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, NM, 88210

EOG Resources, Inc.

Remediation Closure Report

Achen Frey DM #011

30-015-24536

Unit I, Section 14, T17S, R25E

Eddy County, New Mexico

Incident ID: nAPP2135057740

December 30, 2022



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Appendix 1: Figure 1, Vicinity Map

 Figure 2, Summary Map, June 2022 Plan

 Figure 3, Grids Site Map

 Figure 4, PCS Trench Sections 1 – 3 with Tiers

 Figure 5, PCS Trench Sections 4 – 6 with Tiers

 Soil Boring Log, SB1-B

 Table 1, Summary of Grids Analytical Results

 Table 2, Summary of PCS Trench Sections 1 – 3 Analytical Results

 Table 3, Summary of PCS Trench Sections 4 – 6 Analytical Results

 Table 4, Summary of Tiers Sections 1 – 3 Analytical Results

 Table 5, Summary of Tiers Sections 4 – 6 Analytical Results

 Table 6, Summary of Soil Boring Analytical Results

Appendix 2: Siting Criteria Documentation - Updated

Appendix 3: Site Photography

Appendix 4: Laboratory Analytical Reports

Appendix 5: Regulatory Correspondance



I. Introduction

EOG Resources submitted a *Revised Remediation Plan* for the subject well location on December 15, 2022. The remediation plan was verbally approved by New Mexico Oil Conservation Division (NMOCD) during a telephone conference on December 14, 2022. This closure report includes the remediation excavation work that was detailed in the December plan, as well as work that was completed after the plan was approved.

II. Location

The subject well site is identified as the Achen Frey DM #011 (API: 30-015-24536) and is located within Unit I, Section 14, Township 17 South, Range 25 East, Eddy County, New Mexico. The site location is further described as latitude 32.83438 and longitude -104.44828; see **Appendix 1, Figure 1, Vicinity Map**.

The area subject to remediation is a central tank battery located south of the well pad at latitude 32.83344 and longitude -104.44795. Driving directions from Artesia, New Mexico is as follows: from the intersection of Highway 285 and Highway 82, travel west approximately 1.45 miles on US 82 to 38th Street. Turn left (south) and continue for approximately 0.58 miles. Turn right (west) on West Washington Avenue for 0.15 miles and then turn left on West William Avenue. Travel approximately 0.04 miles; the location will be on the left.

II. Background

EOG Resources, Inc. discovered a release during the decommission of the well site and central tank battery at the Achen Frey DM #011. On December 16, 2021, a *Release Notification (Form C-141)* was submitted to the NMOCD District II office for the release of crude oil and produced water. Subsequently, the NMOCD issued notice of incident number #nAPP2135057740. The volumes released of each contaminant are unknown since the release was discovered in proximity to the former tank battery for the subject plugged and abandon well site.

III. Revised Siting Criteria

Soil Type

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the soil predominant at the former tank battery is the Reagan-Upton association which consists of alluvium and/or eolian deposits.

Depth to Groundwater

The closest groundwater well, RA-11744, is located 1,208 feet west from the former tank battery and is reported to be at 3,481 feet above mean sea level (amsl). The depth to groundwater reported in the water well is 187 feet, based on 2011 data. The elevation of the tank battery is 3,470 feet amsl; therefore, depth to water at the subject site is estimated to be greater 100 feet below ground surface (bgs).

Floodplain

The most current Federal Emergency Management Agency (FEMA) floodplain map (October 2020) illustrates the remediation excavation lies within a narrow area designated as a 100-year floodplain. This information has been determined to inaccurately reflect the impact of the Eagle Draw Dam on the subject release location.

The dam was constructed in the vicinity of the subject site from 1989-1995. A 1997 aerial photograph illustrates a dense vegetation cover within the floodplain, which skirts the excavation location slightly to the south. Current aerial photographs (2022) and site conditions illustrate the sparse vegetation coverage within the floodplain boundary; indicating the Eagle Draw Dam has mitigated the flood hazard in proximity to the excavation. Supporting documents are provided in **Appendix 2, Siting Documentation**.

Revised Site Ranking

The excavation location does not lie within any other dictated distances from sensitive receptors that would result in the site being held to the most stringent remediation standards. Depth to groundwater is greater than 100 feet based on current data, and the floodplain risk has been diminished by the Eagle Draw Dam. Based on this information, NMOCD approved the revised site ranking, resulting in the remediation excavation being held to the least stringent closure standards for soil greater than 4 feet bgs. The upper 4 feet has been remediated to applicable reclamation criteria per 19.15.29.13 NMAC. Current site conditions with laboratory analytical results are provided in the following sections and appendices of this document.

NMOCD Table I Criteria

The following release closure criteria from 19.15.29.12 NMAC and 19.15.29.13 NMAC are applicable to the subject remediation project:

Constituent	Method	≤ 4 feet Limit	≥ 4 feet Limit
Chloride	EPA 300.0	600 mg/kg	20,000 mg/kg
Total Petroleum Hydrocarbons (TPH) as Gasoline, Diesel, and Oil Range Organics (GRO/DRO/MRO)	EPA Method 8015D	100 mg/kg	1,000 mg/kg GRO + DRO/ 2,500 mg/kg GRO+DRO+ORO
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg	10 mg/kg

IV. Previous Activities

Previous delineation and remediation activities were reported in the *Characterization Report* dated March 14, 2022, and the June 2022 *Remediation Plan*. The following sections summarize the information presented in these reports, which also reference the original siting criteria as the most stringent standards, due to the floodplain designation.

Initial Assessment

Initial release delineation activities for petroleum contaminated soil (PCS) were conducted from January 6, 2022, to May 11, 2022, and included partial removal of impacted material and advancement of soil borings to determine vertical depth of petroleum contamination.

In January 2022, an assessment excavation began in the southeast corner of the site where visible staining was observed. Excavation activities were guided by field screening for volatile organic compounds (VOCs) conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Samples were also field screened for chloride using a *Hach Chloride Test Kit*.

Heavily stained soil was unearthed during the assessment excavation. This area was excavated to a total of approximately 10 feet bgs. Potholes were dug to attempt to find the vertical extent of the contamination. Laboratory soil samples were collected from the potholes at 8 feet and 18 feet bgs on January 13, 2022; and at 23 feet bgs in three (3) sections of the contaminated area on January 31 and February 2, 2022. The samples were collected to correlate field screening results and establish baseline data. The soil samples were collected into laboratory provided 4-ounce jars, capped headspace free, and transported on ice under chain of custody to Envirotech Analytical Laboratory located in Farmington, New Mexico.

The soil samples were analyzed per analytical methods referenced in *19.15.29.12 NMAC*. Laboratory analytical results for all of the potholes were above the applicable closure standards. Analytical results were provided in the *Remediation Plan* submitted in June 2022.

The total vertical reach of the backhoe was exhausted at 23 feet bgs; therefore, EOG changed the approach to allow for further delineation and remediation. The continued efforts include the delineation and remediation excavation of chloride within the upper 4 feet of the subject site. Vertical extents of the PCS contamination were further delineated utilizing a hollow stem auger (HSA) drill rig. The PCS is identified henceforth in this plan as the "trench area" or "PCS trench". These continued efforts are described in the following sections.

Chloride Delineation and Remediation

During the delineation of the release, chloride impacted soils were delineated and remediated simultaneously within the upper 4 feet of the subject release site. Field screening was utilized to guide excavation activities. Field screening for chloride was conducted using a *Hach Chloride Test Kit*. When chloride field screening results were below the applicable reclamation standards



provided in 19.15.29.13 NMAC (600 mg/kg), a sample was collected to correlate field screening results with laboratory analytical results. If the laboratory analytical results were above 600 mg/kg, the excavation was extended. Samples were also analyzed for TPH, benzene, and total BTEX to ensure those constituents continued to be below the applicable closure standards.

Details of the chloride remediation excavation were previously submitted with the June 2022 plan.

Trench Area Petroleum Hydrocarbon Delineation

To provide vertical delineation of the PCS, two (2) soil borings (SB) were installed utilizing a track mounted drill rig equipped with a hollow stem auger on March 8 and 9, 2022. Prior to installing soil borings, an *Application for Permit to Drill a Well with No Water Right* was submitted to New Mexico Office of the State Engineer (NMOSE) and were approved on March 4, 2022.

SB-1 was completed to 45 feet bgs and SB-2 was completed to 40 feet bgs. Field personnel conducted field screening every 5-feet to evaluate, describe, and record lithology per the Unified Soil Classification System, hydrocarbon vapors, odor, and all other observations pertinent to the geology of the site. Information was recorded on a field soil boring log form. Field screening for VOCs was conducted with a calibrated PID-OVM.

Two (2) soil samples were collected from each soil boring for laboratory analysis: one (1) based on highest VOCs concentration, visible staining, and/or odor; and one (1) from the total depth of the boring. The soil samples were collected into laboratory provided 4-ounce jars, capped headspace free, and transported on ice under chain of custody to Envirotech Analytical Laboratory.

The drill rig returned to the site on March 19 through March 22, 2022, to continue delineation activities. SB-2 was extended to a depth of 105 feet bgs and SB-3 was completed to 110 feet bgs.

Soil samples collected from SB-2 from 45 feet bgs to 105 feet bgs were field screened for chloride using a *Hach Chloride Test Kit*. Two (2) soil samples were collected from SB-2 for laboratory analysis: one (1) based on highest chloride field screening concentration and one (1) from the total depth of the boring. Soil samples collected from SB-3 were field screened for VOC vapor and chloride. Four (4) soil samples were collected from SB-3 for laboratory analysis: one (1) based on highest VOCs concentration, visible staining, and/or odor; two (2) based on highest chloride field screening concentrations and one (1) from the total depth of the boring.

A total of four (4) soil samples were collected for laboratory analysis on March 8 and 9, 2022, and six (6) samples were collected from the soil borings installed on March 19 through 22, 2022. The soil samples were collected into laboratory provided 4-ounce jars, capped headspace free, and transported on ice under chain of custody to Envirotech Analytical Laboratory located in Farmington, New Mexico.

Note, groundwater was not encountered in any of the soil borings. Lithology logs and analytical results were provided in the June 2022 plan. However, the summary map that was submitted with the June 2022 plan has been provided in this document in **Appendix 1, Figure 2**.

Laboratory Analytical Results

The soil samples from the PCS delineation efforts were analyzed per analytical methods referenced in 19.15.29.12 NMAC. Analytical results were submitted with the June 2022 plan. Laboratory results indicate soils are contaminated above applicable regulatory standards for chloride to depths of 105 feet bgs in SB-2 and 110 feet bgs in SB-3. The soils are also contaminated above applicable regulatory standards for TPH to depths of 25 feet bgs in the trench area.

Revised Vertical Delineation Results

The above paragraph concludes information compared to the most stringent closure standards. However, when comparing the results to the new closure criteria, the following is applicable:

1. Chloride is below the regulatory standard of 20,000 mg/kg in all samples analyzed from SB-1, SB-2, and SB-3 at depths greater than 4 feet.
2. Chloride is below 600 mg/kg SB-2 at 105 feet and SB-3 at 110 feet.
3. TPH is below laboratory detection limit (<95.0 mg/kg) in SB-1 at 45 feet; SB-2 at 40 feet, and in SB-3 from 5 to 110 feet bgs.
4. BTEX is detected below laboratory detection limits or applicable regulatory standards in the three (3) soil borings with the exception of SB-2 at 15 feet (51.98 mg/kg).

V. Remediation Activities

Grids

Under the June 2022 plan, the existing excavation was assessed on July 27-28, 2022. The excavation measured in the area of 157 feet by 300 feet by 4 feet deep. The excavation was divided into grids representative of 200 square feet or less. Samples were submitted for laboratory analysis per 19.15.29.13 NMAC.

Where results exceeded regulatory closure criteria for chloride (600 mg/kg), the individual grids were excavated to 6 feet bgs. Where results exceeded regulatory closure criteria for TPH (100 mg/kg), the individual grids were excavated until concentrations of TPH were below 100 mg/kg. After the telephone conference call with NMOCD on November 21, 2022, individual grids remaining above regulatory standard were excavated until concentrations of TPH were below 2,500 mg/kg. Depths of the individual grids excavated for TPH ranged from 6 feet to 14 feet bgs. The remediation work for the grids was completed August 8 through December 8, 2022, and contaminated soil was transported off site and disposed at an NMOCD permitted soil remediation facility.



Residual chloride in the grids range from below laboratory detection limit (<20 mg/kg) to 3,320 mg/kg in CS-344 at 6 feet bgs. Note, CS-454 is representative of the northwest wall (0.5 to 4 feet bgs) that bounds the live electric utility pole on site. The residual chloride concentration in this wall is 1,690 mg/kg. EOG Resources was granted the variance on December 14, 2022, to leave this wall in place since the excavation could not continue without compromising the structure. Grid sample locations are illustrated **Figure 3, Grids Site Map**, and laboratory analytical results are summarized in **Table 1, Summary of Grids Analytical Results**.

PCS Trench

The area designated as the PCS Trench was excavated from August 8 through November 28, 2022. The trench measures approximately 16 feet by 300 feet x 25 feet deep. A current aerial photograph with ground level photos of the excavation are provided in **Appendix 3**. To maintain safety standards for the trench, benches were constructed on the north, south, and east sides of the trench, the west side was used to construct the ramp. As the trench was excavated and the benches were constructed, the soil was field screened per EPA Method 418.1 for TPH and chloride using a *Hach Chloride Test Kit*. Field screening results were also correlated with laboratory analytical sample results. This correlation was used to segregate soil that would be disposed at a permitted facility from soil that could potentially be used as backfill at depths greater than 4 feet.

Under an approved variance request and sampling notification to NMOCD, soil samples were collected from the 3,755 cubic yard stockpile on December 20 and 21, 2022. Heavy equipment was used to collect 5-point confirmation soil samples for laboratory analysis every 100 cubic yards from the potential backfill stockpile. The same protocol was followed for confirmation sample collection from the 1,600 cubic yard stockpile on December 29, 2022. Soil stockpile laboratory analytical results are provided in **Appendix 4**.

Soil classified as non-waste containing (<100 mg/kg TPH and <600 mg/kg chloride) was segregated and will be used as backfill material in the excavation void at depths ranging from 15 to 25 feet bgs. The remainder of the void will be backfilled with clean material imported to the site. Soil that was characterized as waste containing was removed from the site and disposed at a NMOCD permitted soil remediation facility.

Upon completion of the trench excavation, the trench walls and base were sampled in sections representative of 200 square feet or less. Each tier/bench base and walls were also sampled in 200 square feet sections. Samples were submitted for laboratory analysis per *19.15.29.12 NMAC*. The soil sample locations are illustrated on **Figures 4 and 5**, and results are summarized in **Tables 2 through 5**. Note, all soil sample results for the PCS trench and tiers are representative of depths greater than 4 feet bgs.

The laboratory analytical results were compared to remediation closure criteria for the least stringent standards. All soil samples collected from the base and walls of the tiers reported concentrations of TPH, BTEX, and chloride below laboratory detection limit or well below the regulatory closure limits. Laboratory analytical reports are provided in **Appendix 4**.

The confirmation soil samples collected from the PCS trench reported concentrations of TPH, BTEX, and chloride below the laboratory detection limit or well below the regulatory closure limit with the following exceptions:

1. Two (2) base samples in Section 1 of the trench, CS-1-4 and CS-1-3 reported concentrations of TPH at 25 feet bgs above the regulatory standard; 2,700 and 3,359 mg/kg, respectively.
2. Six (6) trench wall samples reported concentrations of TPH above regulatory standard: NTW1-2, NTW2-3, STW2-3, STW4-4, STW 5-3, and STW 5-4. Residual concentrations of TPH in these six (6) samples range from 1,655 to 4,590 mg/kg at depths greater than 9 feet.

Vertical Extent Determination

On September 22 and September 26, 2022, three (3) test holes were excavated in the base of the east half of the PCS trench: Section 1 through 3. The test holes were excavated to determine the vertical extents of petroleum hydrocarbon contamination remaining in the base of the trench. Section 1 test hole reported concentration of TPH below laboratory detection limits at 40 feet bgs and chloride below 20,000 mg/kg. Section 2 test hole reported TPH concentrations below laboratory detection limits at 32 feet bgs and chloride below regulatory closure criteria. The test hole excavated in Section 3 reported concentrations of TPH below laboratory detection limits at 30 feet bgs and chloride well below the closure criteria. The laboratory sample results are summarized on the table presented in **Figure 4**. The associated laboratory analytical reports are provided in **Appendix 4**.

To excavate the six (6) trench walls and two (2) base cells remaining above TPH closure standards more than 3,200 cubic yards of clean material would have had to be excavated to maintain a safe excavation and access these areas. Based on the following site conditions, EOG Resources was granted a variance from NMOCD to leave the residual petroleum hydrocarbons in place:

1. The vertical extent of the contamination is an estimated average of 32-35 foot; resulting in a 152-foot buffer to groundwater.
2. The residual hydrocarbons remaining in the trench walls are at depths greater than 9 feet; therefore, subsequent remediation efforts will not be impacted.
3. All residual impacted soil is at depths protective of human health and the environment and are comprised of heavier petroleum constituents that are not readily mobilized.

Soil Boring

Per NMOCD request, on December 27, 2022, one (1) soil boring (SB-1B) was advanced in proximity to SB-1 that was completed March 2022. Both borings are located within Section 1 in the PCS Trench. A NMOSE permit was submitted to the applicable district office and approved on December 15, 2022. The purpose of the soil boring was to develop a soil profile similar to SB-2 and SB-3 that were completed in March 2022; the location of SB-1B is illustrated on **Figure 4** and the lithology is illustrated in **Appendix 1, Soil Boring Log**.

The boring was field screened in 5-foot intervals for VOCs and chloride. Field notes include description of lithology, hydrocarbon vapors, odor, and all other observations pertinent to the geology of the site. Field screening for VOCs was conducted with a calibrated PID-OVM and chloride was screened using a *Hach Chloride Test Kit*.

Soil samples were collected from the soil boring for laboratory analysis at 10-foot intervals where returns allowed for sample collection. Also, one (1) sample was collected from the total depth of the boring, which was 115 feet bgs. A competent gravel layer caused mechanical failure of the drill rig; therefore, limiting the total depth to 115 feet for the investigation.

The soil samples were collected into laboratory provided 2-ounce jars, capped headspace free, and transported on ice under chain of custody to Envirotech Analytical Laboratory. Laboratory analytical results are summarized in **Table 6, Summary of Soil Boring Analytical Results**, and are provided in **Appendix 4**. All analytical results were reported within the approved closure criteria for the subject location.

Site Stabilization and Restoration

Up completion of the soil boring and receipt of laboratory reports, backfill activities will be initiated. The backfill will be track compacted in 2-foot lifts to 6 feet bgs or when stockpiles are exhausted. The remaining void will be backfilled with non-waste containing soil per 19.15.29.13 NMAC. Backfill placed from 4 to 6 feet bgs will be compacted in 1-foot lifts using a sheep-foot roller or similar equipment. The remaining 4 feet will be track compacted in 2-foot lifts to prepare the site for cross-ripping and seeding. The site will be reseeded in accordance with 19.15.29.13 NMAC.

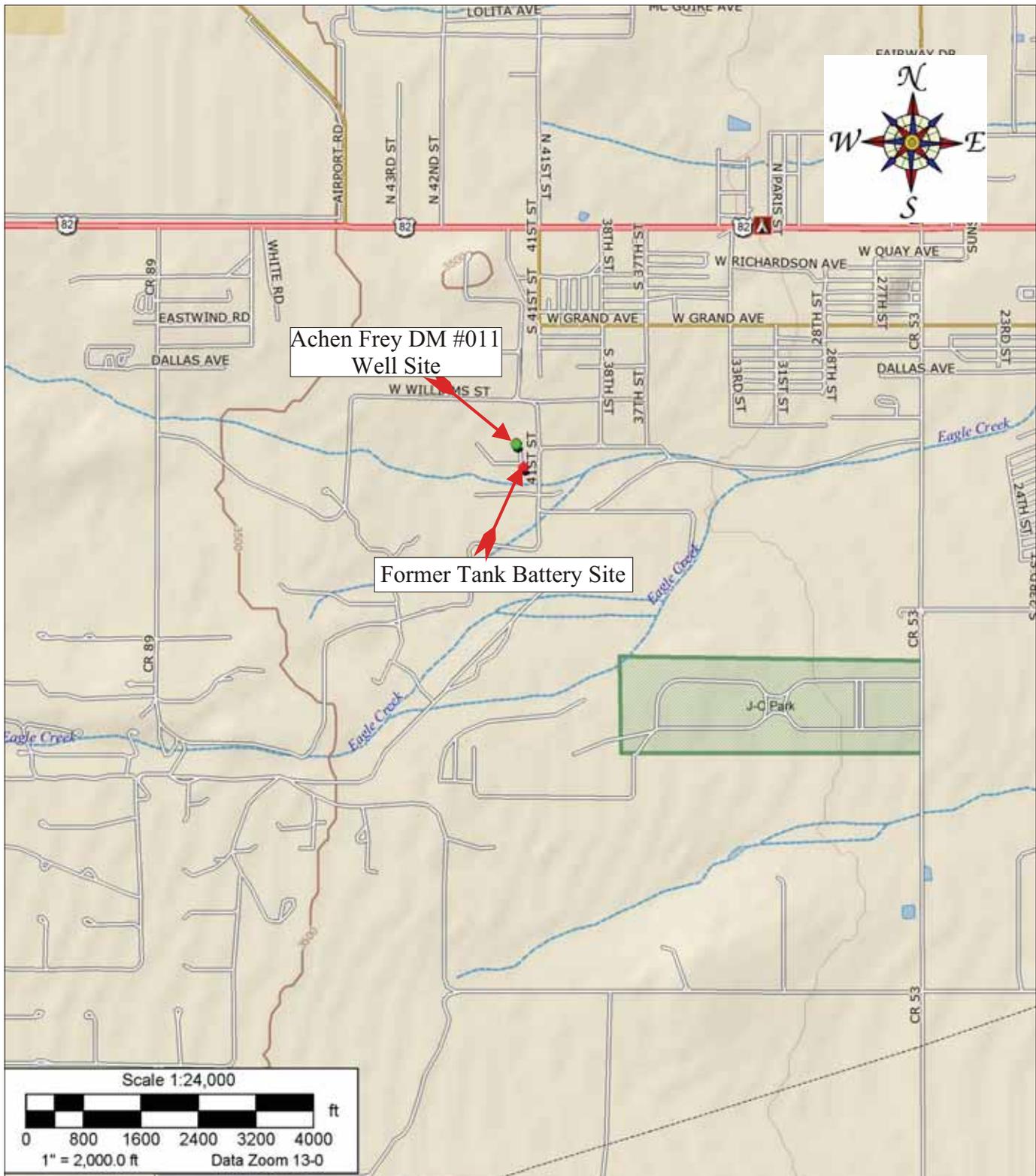
VI. Conclusion

The work and services provided were in accordance with NMOCD standards and within the approved variance parameters. All observations and conclusions provided here are based on the information and current site conditions found at the subject well site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

Appendix 1

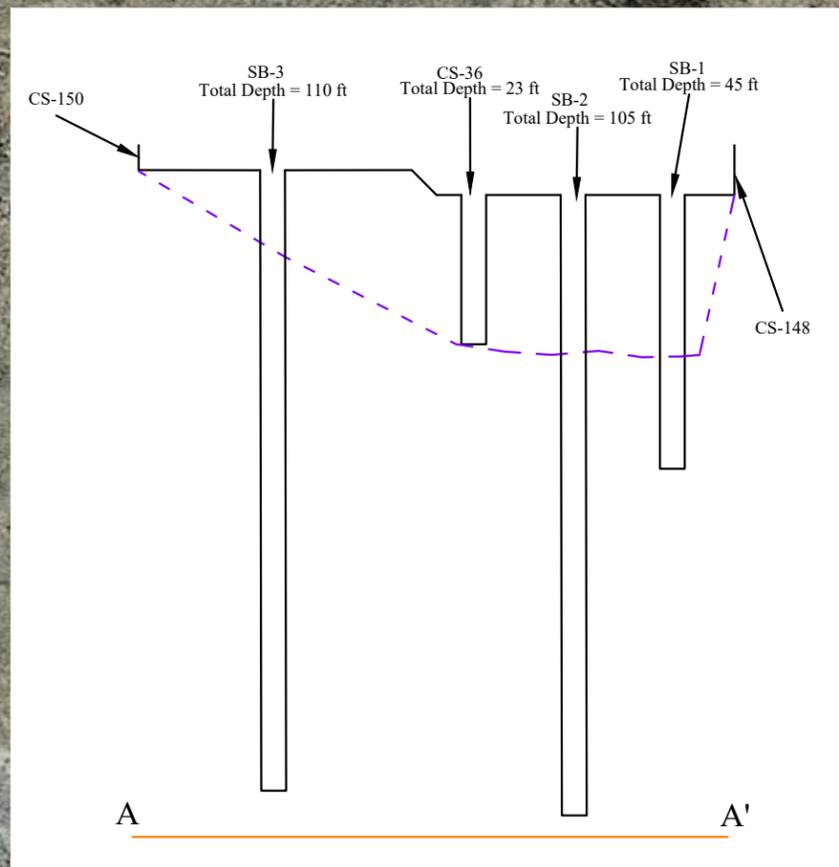
- Figure 1, Vicinity Map**
- Figure 2, Summary Map, June 2022 Plan**
- Figure 3, Grids Site Map**
- Figure 4, PCS Trench Sections 1-3 with Tiers**
- Figure 5, PCS Trench Sections 4-6 with Tiers**
- SB-1B Soil Boring Log**

- Table 1, Summary of Grids Analytical Results**
- Table 2, Summary of PCS Trench Sections 1-3 Analytical Results**
- Table 3, Summary of PCS Trench Sections 4-6 Analytical Results**
- Table 4, Summary of Tiers Sections 1-3 Analytical Results**
- Table 5, Summary of Tiers Sections 4-6 Analytical Results**
- Table 6, Soil Boring 1B Analytical Results**



Source: 7.5 Minute, Artesia, New Mexico U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2,000

EOG Resources, Inc. Characterization and Remediation Plan Achen Frey DM #011 Well Site API: 30-015-24536 Eddy County, New Mexico Section 14, Township 17S, Range 25E		 ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map	
			Figure #1	
Project Number: 19034-0009	Date Drawn: 03/10/2022		DRAWN BY: Brittany Hall	PROJECT MANAGER: Felipe Aragon



Excavation Dimensions:
402 ft by 190 ft by 4-10 ft bgs

Laboratory Sample ID	Date	Sample Description	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
<i>NMOC Release Closure Criteria (Table 1 - 19.15.29.12 NMAC)</i>								
			100 mg/kg			10 mg/kg	50 mg/kg	600 mg/kg
CS-34	1/31/2022	Pot hole @ 23' bgs	76.5	8,300	2,060	<0.0250	9.83	16,900
CS-35		Pot hole @ 23' bgs	157	9,260	2,640	0.0545	21.61	4,110
CS-36	2/2/2022	Pot hole @ 23' bgs	<20.0	441	150	<0.0250	0.27	1,530
SB-1 @ 20'		Soil boring 1 @ 20' bgs	33.5	1,310	282	<0.0250	3.12	12,800
SB-1 @ 45'		Soil boring 1 @ 45' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	18,900
SB-2 @ 15'	3/8/2022	Soil boring 2 @ 15' bgs	354	8,120	2,260	0.126	51.98	10,700
SB-2 @ 40'		Soil boring 2 @ 40' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	19,000
CS-145		North pot hole @ 0-4' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	443
SB2 @ 60'	3/20/2022	Soil boring 2 @ 60' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	9,100
SB2 @ 105'		Soil boring 2 @ 105' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	113
SB3 @ 5'		Soil boring 3 @ 5' bgs	<200	<25.0	<50.0	<0.250	8.135	1,410
SB3 @ 20'	3/21/2022	Soil boring 3 @ 20' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	6,400
SB3 @ 50'		Soil boring 3 @ 50' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	11,700
SB3 @ 110'	3/22/2022	Soil boring 3 @ 110' bgs	<20.0	<25.0	<50.0	<0.0250	<0.1	<20.0
CS-227		Section 14 North Wall						480
CS-228		Section 14 North Portion of East Wall						66.5
CS-229	4/21/2022	Section 14 Middle Portion of East Wall	Not Analyzed					40.4
CS-230		Section 14 South Portion of East Wall	Not Analyzed					170
CS-231		Section 14 South Wall	Not Analyzed					134
CS-248		Sec 13 North Wall composite (0-4' bgs)	Not Analyzed					374
CS-249	5/13/2022	Sec 13 South Wall composite (0-4' bgs)	Not Analyzed					496
CS-253		Sec 13 East Wall composite (0-4' bgs)	Not Analyzed					272

BOLD = above regulatory standard Sec = Section

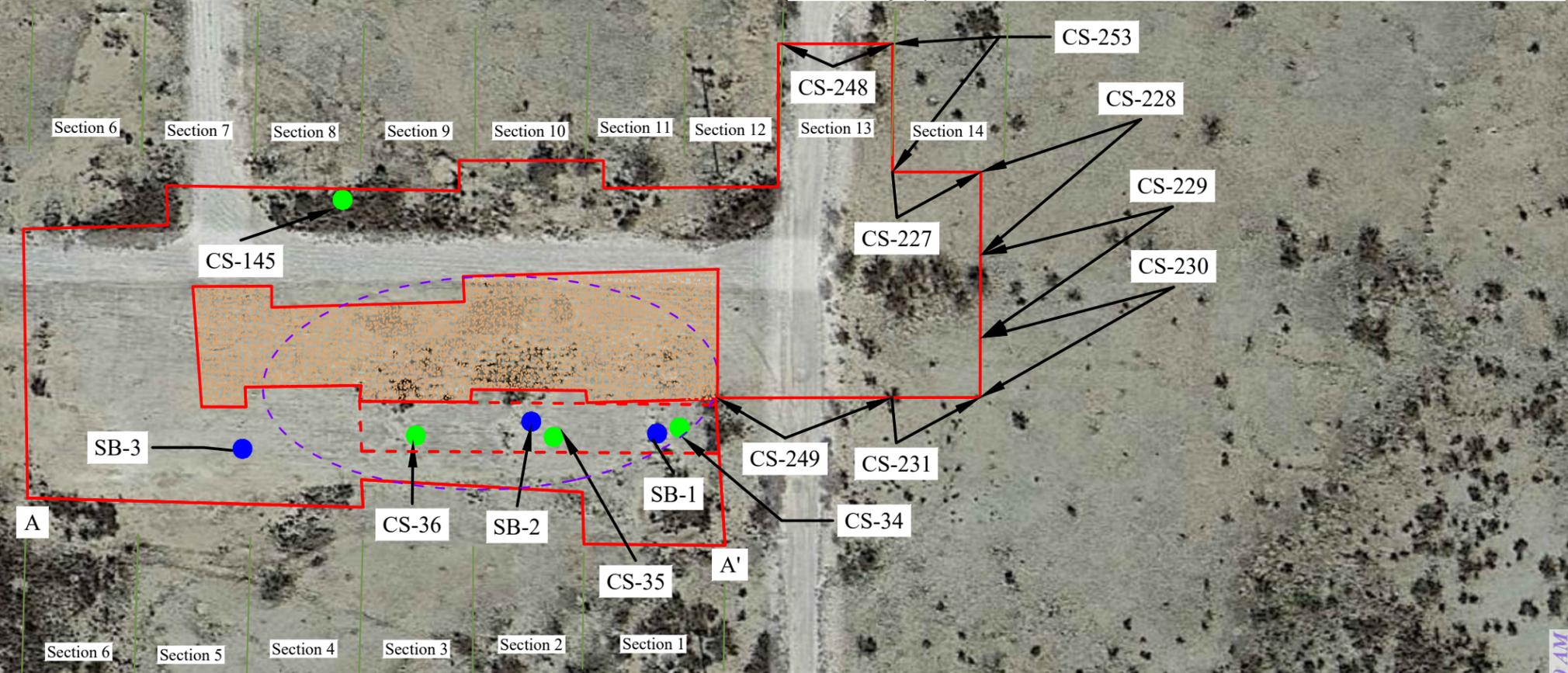


Figure 2, Site Map

EOG Resources
Achen Frey DM #011
API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
32.83348, -104.44786
Eddy County, New Mexico



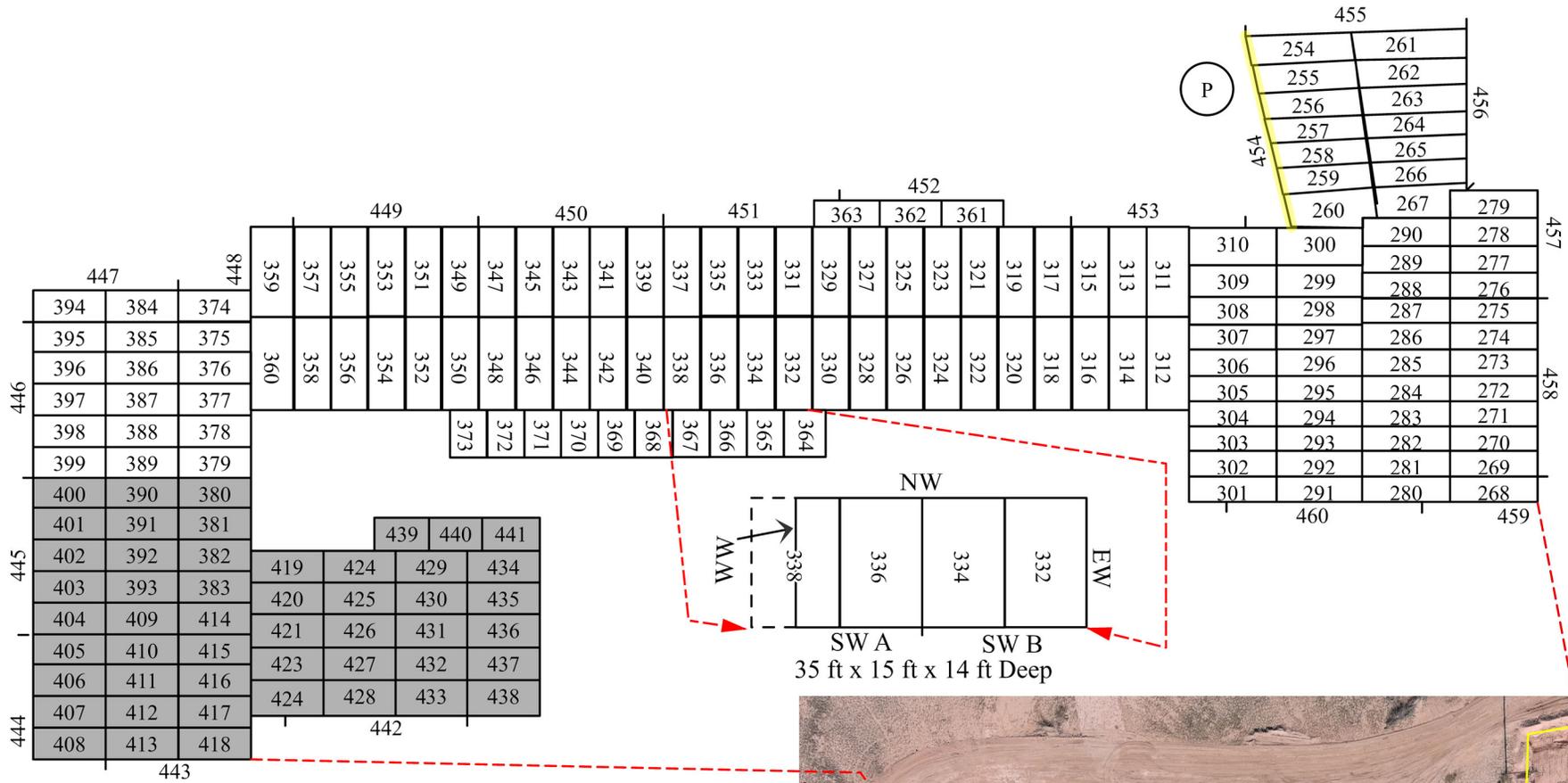
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

MAP DRAWN BY: KJCS	DATE DRAWN: 4/12/2022
REVISIONS BY: BAH	DATE REVISED: 5/18/2022
APPROVED BY: NAME	DATE APPROVED: DATE

LEGEND

- Excavation as of 05/12/2022
 - Trench (10 ft below ground surface (bgs))
 - Unexcavated Soil
 - Inferred Area of TPH Contamination (215 ft by 91 ft by 25 ft bgs)
 - - Soil borings
 - - Pot holes
- ** GPS Coordinates +/- 3 meters.





Legend

- Sampled area
- Sampled area incorporated into the trench
- Chlorides
- P Utility pole
- Excavation area wall at 50 ft

* All samples are 5-point composite representative of ≤ 200 sq ft.

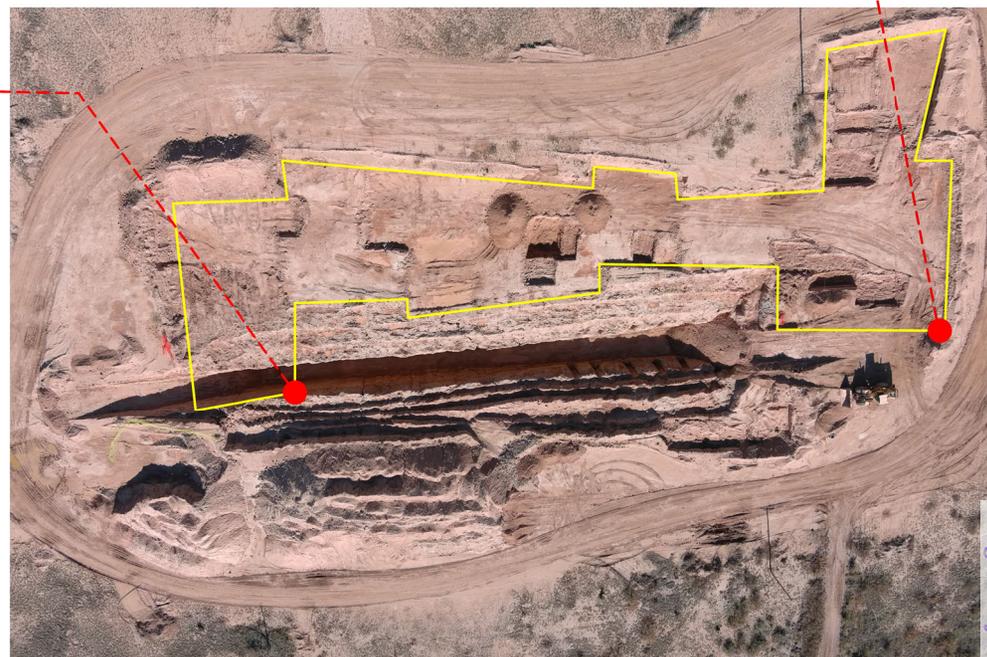
Figure 3, Grids Site Map

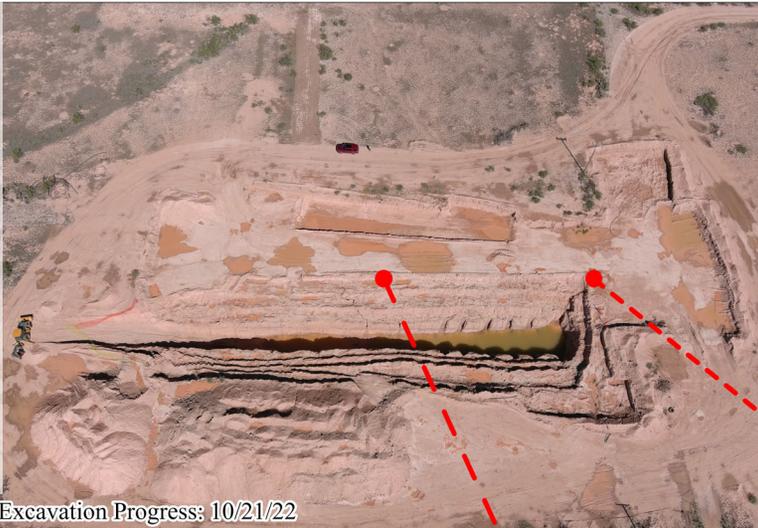
EOG Resources
 Achen Frey DM #011
 API: 30-015-24536
 Unit 1, Section 14, Township 17S, Range 25E
 32.83348, -104.44786
 Eddy County, New Mexico
 Project #19034-0009



envirotech
 Environmental Scientists and Engineers
 5796 U.S Highway 64
 Farmington, New Mexico 87401
 505.632.0615

Date Drawn: 12/16/2022
 Drawn by: P. Mesa





Excavation Progress: 10/21/22

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
			mg/kg						
<i>NMOC Release Closure Criteria (Table 1 - 19.15.29.12 NMAC)</i>			1,000		100		10	50	20,000
TB@25' Sec 1	9/22/2022	25 feet deep -trench floor	<20.0	148	61.6	209.6	<0.0250	<0.1	7,880
TB@25' Sec 2		25 feet deep -trench floor	<20.0	342	<500	342.0	<0.0250	<0.1	7,520
TB@25' Sec 3		25 feet deep -trench floor	<20.0	85.0	<50.0	85.0	<0.0250	<0.1	4,830
TB@40' Sec 1	9/26/2022	40 feet deep test hole in Section 1	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	19,400
TB@32' Sec 2		32 feet deep test hole Section 2	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,540
TB@30' Sec 3		30 feet deep test hole Section 3	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,400
TB@25' Sec 4		25 feet deep - trench floor	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	11,200

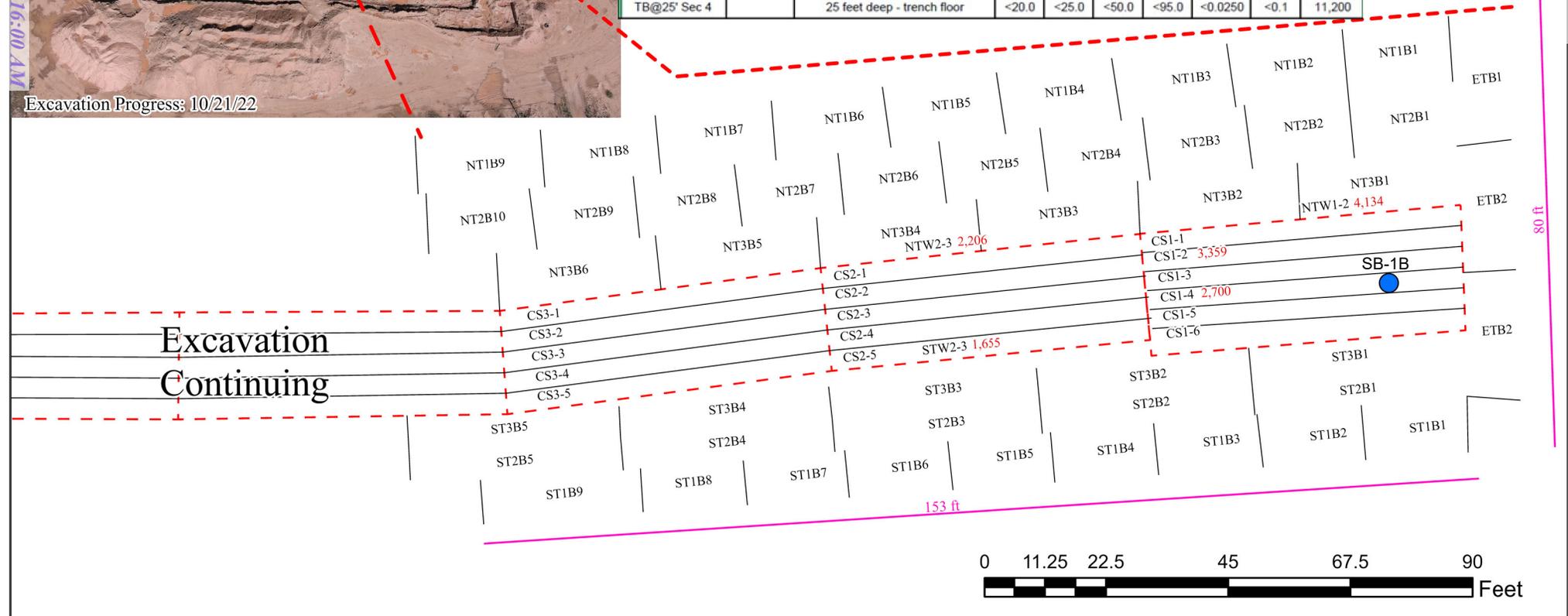


Figure 4, PCS Trench Section 1-3 with Tiers

EOG Resources
 Achen Frey DM #011
 API: 30-015-24536
 Unit 1, Section 14, Township 17S, Range 25E
 32.83348, -104.44786
 Eddy County, New Mexico
 19034-0009



Environmental Scientists and Engineers
 5796 U.S Highway 64
 Farmington, New Mexico 87401
 505.632.0615

Date Drawn: 10/31/2022
 Drawn by: C. Todacheenie

Legend

- Vertical Test Holes (SB-1B)
- Trench Sections Perimeters
- Tiers/Benches
- Base TPH levels ABOVE Regulatory Standards
- Wall TPH levels ABOVE Regulatory Standards
- NT#B - North Tier (#) Base
- ST#B - South Tier (#) Base
- NTW- North Tier Wall
- STW- South Tier Wall
- CS#- Section 1,2,3

Note: All samples 5-pt Composite ≤ 200 sq ft, All samples collected below 6ft bgs

Achen Frey DM #11 Excavation Map of Pit

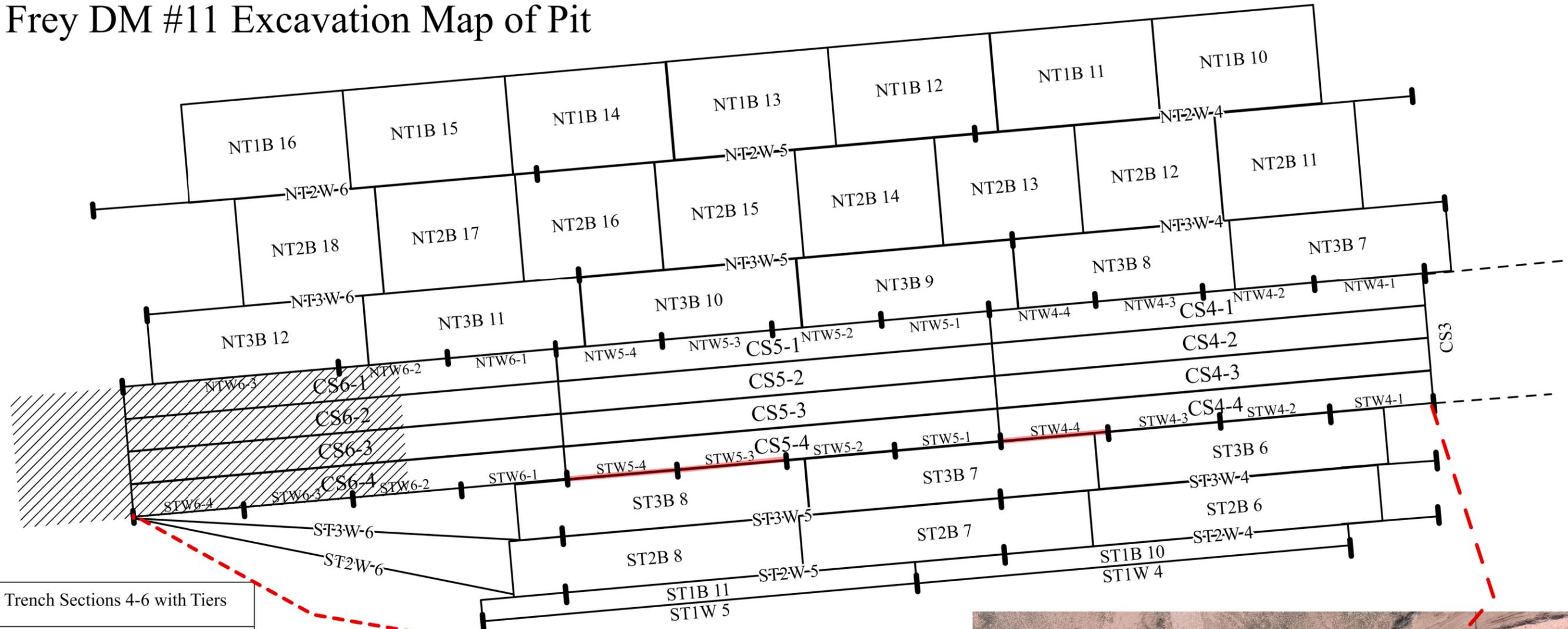


Figure 5, PCS Trench Sections 4-6 with Tiers

EOG Resources
 Achen Frey DM #011
 API: 30-015-24536
 Unit 1, Section 14, Township 17S, Range 25E
 32.83348, -104.44786
 Eddy County, New Mexico
 Project #19034-0009

envirotech
 Environmental Scientists and Engineers
 5796 U.S Highway 64
 Farmington, New Mexico 87401
 505.632.0615

Date Drawn: 12/08/2022
 Drawn by: P. Mesa

Legend

- Sampled Area
- Ramp
- Samples Above Closure Criteria**
- TPH
- CS - Composite Sample
- TW - Tier Wall
- TB - Tier Base

* All samples are 5-point composite representative of ≤ 200 sq ft.

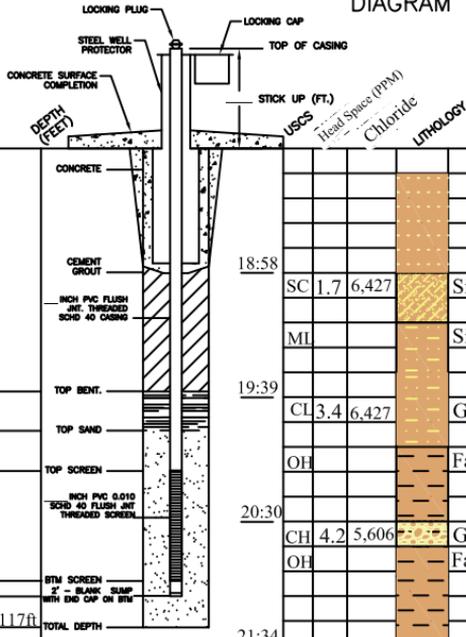
1:175

0 12 24 48 Feet



ABOVE GRADE WELL COMPLETION
DIAGRAM / LITHOLOGY LOG

MW _____
SB SB-1B _____



DEPTH (FEET)	USCS	Head Space (PPM)	Chloride	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
18:58	SC 1.7	6,427		Silty sands		95
	MI			Silty clays low returns		
19:39	CL 3.4	6,427		Gradiation to fatty clays		100
	OH			Fatty clays high plasticity		
20:30	CH 4.2	5,606		Gravel lense 1 in gravel size		105
	OH			Fatty clays high plasticity		
21:34	MH 3.5	>6,427		Silty clays		110
	OH			Fatty clays with sand stringers		
9:33	CL			Sandy clays with potash		115
		1.0	>6,427		Bottom of Hole	117
						120

Well Materials Used:

- ___ Sks 10-12 Silica Sand
- ___ Sks Bentonite Chips
- ___ Sks Class "A" Cement
- ___ Sks Quickcrete
- ___ Ft Blank Casing 9:33
- ___ Ft Screen

Well Development:

- ___ Bailed
- ___ Pumped
- ___ Gallons of Water

Remarks:

DRILLER: Andrew
HELPER: Timothy
DRILLING COMPANY: Talon
DRILLING METHOD: HSA

BIT SIZE: 6 in
TOTAL BORING DEPTH: 117ft
DATE STARTED: 12 / 28 / 2022
SAMPLER TYPE: Split Spoon

LOCATION: EOG
ELEVATION:
DATE COMPLETED: 12 / 29 / 2022
Scientist: Patrick Mesa

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5798 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
AIA/Geolog.org

REVISIONS
BY DATE
BY DATE
JOB # 19034-0009

DATE DRAWN
SCALE APPROVED
PAGE OF

**Table 1, Summary of Soil Analytical Results
Grid Confirmation Sampling
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009**

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
<i>NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)</i>			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg
CS-254	7/27/2022	Base @ 4 feet	<20.0	536	532	1,068	<0.0250	<0.100	75
CS-254-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	382
CS-255	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	97.2
CS-256			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	386
CS-257			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	380
CS-258			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	722
CS-258-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	523
CS-259	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	500
CS-260			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	897
CS-260-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	122
CS-261	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	55.5
CS-262			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	72.2
CS-263			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	178
CS-264			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	513
CS-265			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	528
CS-266			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	495
CS-267			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	35
CS-268			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-269			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-270			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-271			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-272			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	21.5
CS-273			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	63.4
CS-274			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	128
CS-275			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	20.4
CS-276			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	68.3
CS-277			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-278			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-279			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	408
CS-280			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	185
CS-281	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	129		
CS-282	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	607		
CS-282-6	11/16/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,130
CS-283	7/27/2022	Base @ 4 feet	<20.0	1,360.00	<50.0	1,360	<0.0250	<0.100	11,980
CS-283-6	11/16/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	811
CS-284	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	245
CS-285			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	369
CS-286			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	291
CS-287			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	298
CS-288			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	244
CS-289			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	126
CS-290			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	172
CS-291			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	502
CS-292			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	589
CS-293			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	401
CS-294	7/27/2022	Base @ 4 feet	<20.0	31.3	<50.0	31.3	<0.0250	<0.100	2,610
CS-294-6	11/16/2022	Base @ 6 feet	<20.0	1,990	2,280	4,270	<0.0250	<0.100	1,160
CS-294-8	12/1/2022	Base @ 8 feet	<20.0	422	320.0	742	<0.0250	<0.100	523
CS-295	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,490
CS-295-6	11/16/2002	Base @ 6 feet	<20.0	375	633	1,008	<0.0250	<0.100	<20.0



**Table 1, Summary of Soil Analytical Results
Grid Confirmation Sampling
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009**

CS-296	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	291
CS-297			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	519
CS-298			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	348
CS-299			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	264
CS-300			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	390
CS-301			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	458
CS-302			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	66.3
CS-303			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	46.8
CS-304			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	81.3
CS-305			<20.0	310.00	<50.0	310	<0.0250	<0.100	928
CS-305-6	11/16/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	689
CS-306	7/27/2022	Base @ 4 feet	<20.0	41.00	<50.0	41	<0.0250	<0.100	803
CS-306-6	11/16/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	843
CS-307	7/27/2022	Base @ 4 feet	<20.0	35.7	<50.0	35.7	<0.0250	<0.100	187
CS-308			<20.0	29.7	<50.0	29.7	<0.0250	<0.100	511
CS-309			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	158
CS-310			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	78.0
CS-311			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	145
CS-312			<20.0	39.0	<50.0	39.0	<0.0250	<0.100	89.7
CS-313			<20.0	33.7	<50.0	33.7	<0.0250	<0.100	310
CS-314			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	56.7
CS-315			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	304
CS-316			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	137
CS-317			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	128
CS-318			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	113
CS-319			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	336
CS-320	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	301		
CS-321	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,270
CS-321-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	301
CS-322	7/27/2022	Base @ 4 feet	<20.0	44	<50.0	44	<0.0250	<0.100	2,240
CS-322-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,350
CS-323	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	227
CS-324	7/27/2022	Base @ 4 feet	<20.0	121	109	230	<0.0250	<0.100	2,530
CS-324-6	11/3/2022	Base @ 6 feet	<20.0	614	401	1,015	<0.0250	<0.100	1,540
CS-325	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	691
CS-325-6	12/1/2022	Base @ 6 feet	<20.0	614	401	1,015	<0.0250	<0.100	26.1
CS-326	7/27/2022	Base @ 4 feet	<20.0	45	<50.0	45	<0.0250	<0.100	5,730
CS-326-6	12/1/2022	Base @ 6 feet	<20.0	614	401	1,015	<0.0250	<0.100	1,570
CS-327	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,510
CS-327-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	63.2
CS-328	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	7,410
CS-328-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,340
CS-329	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,190
CS-329-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	99.5
CS-330	7/27/2022	Base @ 4 feet	<20.0	86.1	101	187	<0.0250	<0.100	4,860
CS-330-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,440
CS-331	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	563
CS-332	7/27/2022		<20.0	216	325	541	<0.0250	<0.100	932
CS-332-6	11/3/2022	Base @ 6 feet	<20.0	606	668	1,274	<0.0250	0.0503	1,160
CS-333	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	246
CS-334	7/27/2022		<20.0	287	233	520	<0.0250	<0.100	2,380
CS-334-6	11/3/2022	Base @ 6 feet	73.00	4,190.00	<2,500	4,263.00	<0.0250	0.05	1,670.00
CS-334-14	12/2/2022	Base @ 14 feet	<20.0	403	148	551	<0.0250	<0.100	416
CS-335	7/27/2022	Base @ 4 feet	<20.0	67.6	110	178	<0.0250	<0.100	294
CS-335-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	62.2
CS-336	7/27/2022	Base @ 4 feet	<20.0	837	<50.0	837	<0.0250	<0.100	6,570
CS-336-6	11/3/2022	Base @ 6 feet	44.60	6,070.00	<2,500	6,114.60	<0.0250	1.73	2,210.00



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CS-336-14	12/2/2022	Base @ 14 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,020	
334/336 W Wall		334/336 Excavation (4 to 14 feet)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,270	
334/336 N Wall			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	264	
334/336 S Wall A			12/8/2022	<20.0	694	<1,000	694	<0.0250	<0.100	1,760
334/366 S Wall B				<20.0	794	1,060	1,854	<0.0250	<0.100	1,640
334/336 E Wall				<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,820
334/336 North Wall B				<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	3,350
334/336 Base				<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	3,350
CS-337	7/27/2022			Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100
CS-337-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	89.4	
CS-338	7/27/2022	Base @ 4 feet	<20.0	82.5	86.9	169	<0.0250	<0.100	1,390	
CS-338-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	0.776	2,530	
CS-339	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,830	
CS-339-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	275	
CS-340	7/27/2022	Base @ 4 feet	<20.0	31	<50.0	31	<0.0250	<0.100	8,320	
CS-340-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	286	
CS-341	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,890	
CS-341-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	77.1	
CS-342	7/27/2022	Base @ 4 feet	<20.0	280	<50.0	280	<0.0250	<0.100	2,080	
CS-342-6	11/16/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	316	
CS-343	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	615	
CS-343-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	33.6	
CS-344	7/27/2022	Base @ 4 feet	<20.0	440	<50.0	440	<0.0250	<0.100	8,190	
CS-344-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	3,320	
CS-345	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,130	
CS-345-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-346	7/27/2022	Base @ 4 feet	<20.0	25.6	<50.0	25.6	<0.0250	<0.100	354	
CS-347			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	821	
CS-347-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-348	7/27/2022	Base @ 4 feet	<20.0	32	<50.0	32	<0.0250	<0.100	16,700	
CS-348-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	125	
CS-349	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,100	
CS-349-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-350	7/27/2022	Base @ 4 feet	<20.0	119	169	288	<0.0250	<0.100	2,030	
CS-350-6	11/3/2022	Base @ 6 feet	<20.0	25.6	<50.0	25.6	<0.0250	<0.100	392	
CS-351	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	713	
CS-351-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-352	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,250	
CS-352-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-353	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	133	
CS-354			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	99.8	
CS-355			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	196	
CS-356			<20.0	31.6	<50.0	31.6	<0.0250	<0.100	173	
CS-357			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	541	
CS-358			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	552	
CS-359			<20.0	32.4	<50.0	32.4	<0.0250	<0.100	465	
CS-360			<20.0	43.30	81.10	124.40	<0.0250	<0.100	2,150	
CS-360-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	649	
CS-361	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	473	
CS-362			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	657	
CS-362-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-363	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	645	
CS-363-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0	
CS-364	7/28/2022	Base @ 4 feet	<20.0	174	167	341	<0.0250	<0.100	362	
CS-364-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	526	
CS-365	7/28/2022	Base @ 4 feet	<20.0	209	166	375	<0.0250	<0.100	425	
CS-365-6	11/3/2022	Base @ 6 feet	<20.0	65.2	<50.0	65.2	<0.0250	<0.100	1,520	
CS-366	7/28/2022	Base @ 4 feet	<20.0	278	<50.0	278	<0.0250	<0.100	460	
CS-366-6	11/3/2022	Base @ 6 feet	<20.0	120	108	228	<0.0250	<0.100	780	
CS-367	7/28/2022	Base @ 4 feet	<20.0	149	156	305	<0.0250	<0.100	1,070	



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CS-367-6	11/3/2022	Base @ 6 feet	<20.0	125	211	336	<0.0250	<0.100	1,550
CS-368	7/28/2022	Base @ 4 feet	<20.0	197	198	395	<0.0250	<0.100	1,580
CS-368-6	11/3/2022	Base @ 6 feet	<20.0	29.8	<50.0	29.8	<0.0250	<0.100	1,810
CS-369	7/28/2022	Base @ 4 feet	<20.0	163	169	332	<0.0250	<0.100	6,090
CS-369-6	11/3/2022	Base @ 6 feet	<20.0	40.7	<50.0	40.7	<0.0250	<0.100	2,210
CS-370	7/28/2022	Base @ 4 feet	<20.0	198	241	439	<0.0250	<0.100	8,800
CS-370-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,230
CS-371	7/28/2022	Base @ 4 feet	<20.0	429	<50.0	429	<0.0250	<0.100	4,170
CS-371-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,060
CS-372	7/28/2022	Base @ 4 feet	<20.0	193	231	424	<0.0250	<0.100	916
CS-372-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,840
CS-373	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	29,200
CS-373-6	12/2/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,110
CS-374	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	59.1
CS-375			<20.0	49.3	<50.0	49.3	<0.0250	<0.100	257
CS-376			<20.0	31.60	<50.0	31.60	<0.0250	<0.100	2,930
CS-376-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,030
CS-377	7/28/2022	Base @ 4 feet	<20.0	<25.0	31.30	<95.0	<0.0250	<0.100	1,960
CS-377-6	12/1/2022	Base @ 6 feet	<20.0	110	<50.0	110	<0.0250	<0.100	1,930
CS-378	7/28/2022	Base @ 4 feet	<20.0	35.0	<50.0	35.0	<0.0250	<0.100	479
CS-379	7/28/2022	Base @ 4 feet	<20.0	33.80	<50.0	33.80	<0.0250	<0.100	5,060
CS-379-6	12/1/2022	Base @ 6 feet	<20.0	97.40	<50.0	97.4	<0.0250	<0.100	1,470
CS-380	7/28/2022	Base @ 4 feet	<20.0	97.10	60.90	158	<0.0250	<0.100	1,030
CS-381			<20.0	266	<50.0	266	<0.0250	<0.100	1,680
CS-382			<20.0	2,950	1,670	4,620	<0.0250	<0.100	2,280
CS-383			<20.0	1,390	<50.0	1,390	<0.0250	<0.100	<400
CS-384			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	123
CS-385			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	153
CS-386			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<400
CS-386-6	11/3/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,010
CS-387	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	3,810
CS-387-6	12/1/2022	Base @ 6 feet	<20.0	82.5	<50.0	82.5	<0.0250	<0.100	1,980
CS-388	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	4,600
CS-388-6	12/1/2022	Base @ 6 feet	<20.0	289	154	443	<0.0250	<0.100	1,670
CS-389	7/28/2022	Base @ 4 feet	<20.0	32.00	<50.0	32.00	<0.0250	<0.100	1,340
CS-389-6	12/1/2022	Base @ 6 feet	<20.0	66.2	<50.0	66.2	<0.0250	<0.100	1,210
CS-390	7/28/2022	Base @ 4 feet	<20.0	364.00	454.00	818.00	<0.0250	<0.100	1,950
CS-391			<20.0	695	<50.0	695	<0.0250	<0.100	721
CS-392			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,470
CS-393			<20.0	1,130	585	1,715	<0.0250	<0.100	3,190
CS-394			<20.0	1,150.00	<50.0	1,150.00	<0.0250	<0.100	98.20
CS-394-6	12/1/2022	Base @ 6 feet	<20.0	45.7	<50.0	45.7	<0.0250	<0.100	863
CS-395	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	347
CS-396			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	4,490
CS-396-6	12/1/2022	Base @ 6 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	380
CS-397			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	173
CS-398	7/28/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	690
CS-398-6	12/1/2022	Base @ 6 feet	<20.0	78.3	<50.0	78.3	<0.0250	<0.100	2,380
CS-399	7/28/2022	Base @ 4 feet	<20.0	659.00	<50.0	659.00	<0.0250	<0.100	<400
CS-399-6	12/1/2022	Base @ 6 feet	<20.0	46.5	<50.0	46.5	<0.0250	<0.100	528



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CS-400			<20.0	230.00	188.00	418.00	<0.0250	<0.100	2,500
CS-401			<20.0	73.5	88.8	162	<0.0250	<0.100	968
CS-402			<20.0	80.0	64.8	145	<0.0250	<0.100	926
CS-403			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-404			<20.0	212	206	418	<0.0250	<0.100	1,480
CS-405			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	90.2
CS-406			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	21.9
CS-407			<20.0	838	<50.0	838	<0.0250	<0.100	2,090
CS-408			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	7,130
CS-409			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	52.2
CS-410			<20.0	4,250	2,580	6,830	<0.0250	<0.100	4,590
CS-411			<20.0	34.0	<50.0	34	<0.0250	<0.100	5,700
CS-412			<20.0	66.2	<50.0	66.2	<0.0250	<0.100	1,620
CS-413			<20.0	3,050	2,130	5,180	<0.0250	<0.100	8,160
CS-414			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	11,400
CS-415			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,940
CS-416			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	674
CS-417			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,540
CS-418			<20.0	321	<50.0	321	<0.0250	<0.100	5,160
CS-419			<20.0	2,000	1,070	3,070	<0.0250	<0.100	2,690
CS-420			<20.0	8,580	4,570	13,150	<0.0250	0.0305	2,390
CS-421		Base @ 4 feet	<20.0	4,780	4,140	8,920	<0.0250	<0.100	9,600
CS-422			<20.0	160	151	311	<0.0250	<0.100	19,900
CS-423	7/28/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	634
CS-424			<20.0	2,830	1,940	4,770	<0.0250	<0.100	1,390
CS-425			<20.0	11,600	7,710	19,310	<0.0250	0.155	8,890
CS-426			<20.0	2,390	2,520	4,910	<0.0250	<0.100	5,390
CS-427			<20.0	190	<250	440	<0.0250	<0.100	23,900
CS-428			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	4,270
CS-429			<20.0	377	<50.0	377	<0.0250	<0.100	20,200
CS-430			<20.0	6,950	3,950	10,900	<0.0250	0.682	9,720
CS-431			<20.0	1,460	2,130	3,590	<0.0250	<0.100	12,500
CS-432			<20.0	208	172	380	<0.0250	<0.100	9,460
CS-433			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,070
CS-434			<20.0	47.2	<50.0	47.2	<0.0250	<0.100	670
CS-435			<20.0	821	558	1,379	<0.0250	<0.100	9,790
CS-436			<20.0	698	607	1,305	<0.0250	<0.100	4,420
CS-437			<20.0	491	299	790	<0.0250	<0.100	3,510
CS-438			<20.0	161	102	263	<0.0250	<0.100	195
CS-439			<20.0	118	182	300	<0.0250	<0.100	2,320
CS-440			<20.0	27.4	<50.0	27.4	<0.0250	<0.100	3,050
CS-441			<20.0	1,200	<50.0	1,200	<0.0250	<0.100	2,160
CS-442		Southwest Wall 0.5 to 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	35.2
CS-443			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	103
CS-444			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	101
CS-445		West Wall 0.5 to 4 ft	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	181
CS-446			<20.0	177.00	283.00	460.00	<0.0250	<0.100	192
CS-446B	12/8/2022	West Wall 0.5 to 4 ft	<20.0	<25.0	74.1	74.1	<0.0250	<0.100	321
CS-447			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	517
CS-448			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-449			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	361
CS-450			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	100
CS-451		North Wall 0.5 to 4 feet	<20.0	29.8	52.2	82.0	<0.0250	<0.100	85.8
CS-452			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<40.0
CS-453			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	135
CS-454*			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,690
CS-455			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	198



**Table 1, Summary of Soil Analytical Results
Grid Confirmation Sampling
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009**

CS-456	7/28/2022	East Wall 0.5 to 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	323
CS-457			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	226
CS-458			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	198
CS-459		Southeast Wall 0.5 to 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	25.6
CS-460			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-461		Island East Wall	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	30.3
CS-462		Island North Wall	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	136
CS-463		Island North Wall	<20.0	46.8	90.2	137	<0.0250	<0.100	492
CS-464		Island North Wall	<20.0	2,040	3,450	5,490	<0.0250	<0.100	230
CS-465		Island North Wall	<20.0	269	528	797	<0.0250	<0.100	237
CS-466		Island North Wall	<20.0	94.1	212	306	<0.0250	<0.100	687
CS-467		Island West Wall	<20.0	73.4	185	258	<0.0250	<0.100	397
CS-468		Island South Wall	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	8,960
CS-469		Island South Wall	<20.0	31.6	<50.0	<95.0	<0.0250	<0.100	1,390
CS-470	Island South Wall	<20.0	454	835	1,289	<0.0250	<0.100	1,270	

CS-XXX Grids removed during PCS excavation, and results not used for remediation closure

*Excavation could not extend west due to power pole

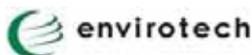


**Table 2, Summary of Soil Analytical Results
Sections 1-3 Trench Confirmation Sampling
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009**

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0	
			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides	
NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg	
CS1-6	10/5/2022	Section 1 Base @ 25 ft	<20.0	60.7	<50.0	60.7	<0.0250	<0.1	7,380	
CS1-5		Section 1 Base @ 25 ft	<20.0	226	74.6	300.6	<0.0250	<0.1	11,300	
CS1-4		Section 1 Base @ 25 ft	<20.0	2,700	<5,000	2,700	<0.0250	0.458	12,000	
CS1-3		Section 1 Base @ 25 ft	<20.0	355	109	464	<0.0250	<0.1	9,480	
CS1-2		Section 1 Base @ 25 ft	33.1	2,670	689	3,359	<0.0250	1.475	10,200	
CS1-1		Section 1 Base @ 25 ft	<20.0	241	90	331.3	<0.0250	<0.1	5,470	
CS2-1		Section 2 Base @ 25 ft	<20.0	33.3	<50.0	33.3	<0.0250	<0.1	4,640	
CS2-2		Section 2 Base @ 25 ft	<20.0	90.0	<50.0	90.0	<0.0250	<0.1	4,030	
CS2-3		Section 2 Base @ 25 ft	<20.0	441	<250	441	<0.0250	<0.1	5,330	
CS2-4		Section 2 Base @ 25 ft	<20.0	200	68.6	268.6	<0.0250	<0.1	7,870	
CS2-5		Section 2 Base @ 25 ft	<20.0	78.5	<50.0	78.5	<0.0250	<0.1	9,170	
CS3-1		Section 3 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,290	
CS 3-2		Section 3 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,150	
CS3-3		Section 3 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,420	
CS 3-4		Section 3 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,450	
CS 3-5		Section 3 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	6,890	
NTW1-1		11/2/2022	North Trench Wall Section 1 (9 ft to 25 ft bgs)	<20.0	44.3	<50.0	44.3	<0.0250	<0.1	12,300
NTW1-2			North Trench Wall Section 1 (9 ft to 25 ft bgs)	<20.0	3,140	994	4,134	<0.0250	0.691	3,830
NTW1-3			North Trench Wall Section 1 (9 ft to 25 ft bgs)	<20.0	34.3	<50.0	34.3	<0.0250	0.0353	6,660
NTW1-4			North Trench Wall Section 1 (9 ft to 25 ft bgs)	<20.0	53.1	<50.0	53.1	<0.0250	<0.1	2,060
NTW2-1	North Trench Wall Section 2 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,350	
NTW2-2	North Trench Wall Section 2 (9 ft to 25 ft bgs)		<20.0	180	75	255.1	<0.0250	<0.1	4,310	
NTW2-3	North Trench Wall Section 2 (9 ft to 25 ft bgs)		<20.0	1,690	516	2,206	<0.0250	0.167	995	
NTW2-4	North Trench Wall Section 2 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	0.0462	1,600	
NTW3-1	North Trench Wall Section 3 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,340	
NTW3-2	North Trench Wall Section 3 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	726	
NTW3-3	North Trench Wall Section 3 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	534	
NTW3-4	North Trench Wall Section 3 (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	919	
ETW-1	East Trench Wall (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,720	
ETW-2	East Trench Wall (9 ft to 25 ft bgs)		<20.0	46.7	<50.0	46.7	<0.0250	<0.1	7,790	
ETW-3	East Trench Wall (9 ft to 25 ft bgs)		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,250	
STW1-1	11/2/2022		South Trench Wall (13 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,430
STW1-2			South Trench Wall (13 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	9,230
STW1-3			South Trench Wall (13 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,570
STW1-4			South Trench Wall (13 feet bgs)	<20.0	52.9	<50.0	52.9	<0.0250	<0.1	6,940
STW2-1			South Trench Wall (13-15 feet bgs)	<20.0	602	278	880.0	<0.0250	<0.1	<100
STW2-2		South Trench Wall (13-15 feet bgs)	<20.0	50.3	<50.0	50.3	<0.0250	0.105	1,270	
STW2-3		South Trench Wall (13-15 feet bgs)	<20.0	1,010	645	1,655	<0.0250	0.0679	<400	
STW2-4		South Trench Wall (13-15 feet bgs)	<20.0	220	211	431	<0.0250	0.0650	5,370	
STW3-1		South Trench Wall (15 feet bgs)	<20.0	330	249	579	<0.0250	0.0377	16,400	
STW3-2		South Trench Wall (15 feet bgs)	<20.0	279	197	476	<0.0250	<0.1	15,800	
STW3-3		South Trench Wall (15 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	5,500	
STW3-4		South Trench Wall (15 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	6,310	

Notes: NT/ST/ET - North, South, East Trench Wall, CS - Composite Sample from Trench Base

BOLD - samples exceeding closure standards



**Table 3, Summary of Soil Analytical Results
Sections 4-6 Trench Confirmation Sampling
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009**

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg
CS4-1	11/9/2022	Section 4 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	676
CS4-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	494
CS4-3			<20.0	29.3	<50.0	29.3	<0.0250	<0.1	1,270
CS4-4			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	406
CS5-1		Section 5 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	5,280
CS5-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	6,100
CS5-3			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,340
CS5-4	<20.0		<25.0	<50.0	<95.0	<0.0250	<0.1	7,750	
CS6-1	11/15/2022	Section 6 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,890
CS6-2		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,800	
CS6-3		Section 6 Base @ 19.5 to 22 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,030
CS6-4		Section 6 Base @ 14 to 19.5 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,450
NTW4-1	11/9/2022	North Trench Wall Section 4 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,610
NTW4-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,280
NTW4-3			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,320
NTW4-4			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	740
NTW5-1		North Trench Wall Section 5 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,430
NTW5-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,250
NTW5-3			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,420
NTW5-4			<20.0	208	140	348	<0.0250	<0.1	8,080
NTW6-1	11/15/2022	North Trench Wall Section 6 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,390
NTW6-2		North Trench Wall Section 6 feet to 19.5 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,390
NTW6-3		North Trench Wall Section 6 feet to 14, 10 to 19.5 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	122
STW4-1	11/9/2022	South Trench Wall Section 4 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,890
STW4-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	8,110
STW4-3			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,180
STW4-4			<20.0	1,550	1,110	2,660	<0.0250	0.305	11,900
STW5-1		South Trench Wall Section 5 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	5,290
STW5-2			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	8,390
STW5-3			<20.0	1,390	641	2,031	<0.0250	<0.1	9,200
STW5-4			<20.0	3,190	1,400	4,590	<0.0250	0.316	8,610
STW6-1	11/15/2022	South Trench Wall Section 6 feet to 25 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	10,100
STW6-2		South Trench Wall Section 6 feet to 19.5 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,280
STW6-3		South Trench Wall Section 6 feet to 22 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	20.8
STW6-4		South Trench Wall Section 6 feet to 19.5 feet bgs) (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	<20.0

Notes: NT/ST/WT - North, South, West Trench Wall, CS - Composite Sample from Trench Base

BOLD - samples exceeding closure standards



Practical Solutions for a Better Tomorrow

Table 4, Summary of Tiers Confirmation Sampling Section 1 - 3
 EOG Resources- Achen Frey DM #011; API: 30-015-24536
 Unit I, Section 14, Township 17S, Range 25E
 Eddy County, New Mexico
 Project #19034-0009

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0
			GR0	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)			1,000 mg/kg	-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg	
St1B1	10/13/2022	8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,040
St1B2		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	392
St1B3		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,090
St1B4		8 feet bgs	<20.0	26.4	<50.0	26.4	<0.0250	<0.1	937
St1B5		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	56.9
St1B6		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	212
St1B7		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	99.6
St1B8		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	155
St1B9		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	68.2
St1W1		4 - 8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	924
St1W2		4 - 8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	217
St1W3		4 - 8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	493
St2B1		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	516
St2B2		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,350
St2B3		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	681
St2B4		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	303
St2B5		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	55.2
St2W1		8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	719
St2W2		8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	919
St2W3		8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,220
St3B1		16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,000
St3B2		16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	96.4
St3B3		16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,250
St3B4		16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,690
St3B5		16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	378
St3W1		12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,690
St3W2		12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,960
St3W3		12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,710
NT1B1		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	<20.0
NT1B2		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	326
NT1B3		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	796
NT1B4		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	369
NT1B5		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	567
NT1B6		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,120
NT1B7		8 feet bgs	<20.0	92.6	123	215.6	<0.0250	<0.1	1,580
NT1B8		8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,910
NT1B9		8 feet bgs	<20.0	36.2	52.8	89.0	<0.0250	<0.1	221
NT1W1		4 - 8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	119
NT1W2		4 - 8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	221
NT1W3		4 - 8 feet bgs	<20.0	48.4	58.5	106.9	<0.0250	<0.1	733
NT2B1		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	31.8
NT2B2		12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	28.2
NT2B3	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	144	
NT2B4	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	207	
NT2B5	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	916	
NT2B6	12 feet bgs	<20.0	921	392	1,313	<0.0250	0.224	146	
NT2B7	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	0.0308	166	
NT2B8	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	0.0948	76.5	
NT2B9	12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	55.5	
NT2B10	12 feet bgs	<20.0	94.7	127	221.7	<0.0250	<0.1	66.2	
NT2W1	8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	124	
NT2W2	8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	244	
NT2W3	8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	435	
NT3B1	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	785	
NT3B2	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	578	
NT3B3	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,690	
NT3B4	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,150	
NT3B5	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	767	
NT3B6	16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	52.0	
NT3W1	12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	434	
NT3W2	12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,090	
NT3W3	12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	451	
ETB1	8 feet bgs	<20.0	40.3	<50.0	40.3	<0.0250	<0.1	1,030	
ETB2	8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	187	
ETB3	8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	79.1	
ETW1	8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,730	
ETW2	8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	167	

Notes: NTB/NTW - North Tier Base/Wall; STB/STW - South Tier Base/Wall; ETB/ETW - East Tier Base/Wall

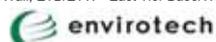


Table 5, Summary of Tiers Confirmation Sampling Sections 4 - 6
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009

Laboratory Sample ID	Date	Sample Description	EPA Method 8015				EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg
NT1B 10	11/10/2022	8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	468
NT1B 11		8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	520
NT1B 12		8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	155
NT1B 13		8 feet	<20.0	38.2	<50.0	38.2	<0.0250	<0.1	711
NT1B 14		8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	552
NT1B 15	11/16/2022	8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,210
NT1B 16		8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,070
NT2B 11	11/10/2022	12 feet	<20.0	41.9	<50.0	41.9	<0.0250	<0.1	707
NT2B 12		12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	969
NT2B 13		12 feet	<20.0	36.8	<50.0	36.8	<0.0250	<0.1	247
NT2B 14		12 feet	<20.0	27.6	<50.0	27.6	<0.0250	<0.1	565
NT2B 15		12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	126
NT2B 16		12 feet	<20.0	27.8	<50.0	<95.0	<0.0250	<0.1	678
NT2B 17	11/16/2022	12 feet	<20.0	221	164	385	<0.0250	<0.1	821
NT2B 18		12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,430
NT2W 4	11/10/2022	8 - 12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	619
NT2W 5		8 - 12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	918
NT2W6	11/16/2022	8-12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,300
NT3B 7	11/10/2022	16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	332
NT3B 8		16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	394
NT3B 9		16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	597
NT3B 10		16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	343
NT3B 11	11/16/2022	16 feet	<20.0	69.8	<50.0	69.8	<0.0250	<0.1	1,900
NT3B 12		16 feet	<20.0	284	241	525	<0.0250	<0.1	968
NT3W 4	11/10/2022	12 - 16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,670
NT3W 5		12 - 16 feet	<20.0	34.3	<50.0	34.3	<0.0250	<0.1	821
NT3W 6	11/16/2022	12 -16 feet	<20.0	158	142	300	<0.0250	<0.1	2,070
ST1B 10	11/10/2022	8 feet	<20.0	37.4	<50.0	37.4	<0.0250	<0.1	478
ST1B 11		8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,150
ST1W 4		4 - 8 feet	<20.0	217	139	356	<0.0250	<0.1	1,260
ST1W 5		4 - 8 feet	<20.0	81.2	<50.0	81.2	<0.0250	<0.1	3,060
ST2B 6		12 feet	<20.0	249	111	360	<0.0250	<0.1	1,380
ST2B 7	11/16/2022	12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,490
ST2B 8		12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	197
ST2W 4	11/10/2022	8 - 12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,740
ST2W 5		8 - 12 feet	<20.0	<25.0	<50.0	<25.0	<0.0250	<0.1	5,090
ST2W 6	11/16/2022	8 - 12 feet	<20.0	<25.0	<50.0	<25.0	<0.0250	<0.1	923
ST3B 6	11/10/2022	16 feet	<20.0	76.0	<50.0	76.0	<0.0250	<0.1	4,750
ST3B 7		16 feet	<20.0	488	314	802	<0.0250	<0.1	4,090
ST3B 8	11/16/2022	16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,220
ST3W 4	11/10/2022	12 - 16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,640
ST3W 5		12 - 16 feet	<20.0	488	314	802	<0.0250	<0.1	6,710
ST3W 6		12 - 16 feet	<20.0	<25.0	<50.0	<25.0	<0.0250	<0.1	3,070

Notes: NTB/NTW - North Tier Base/Wall; STB/STW - South Tier Base/Wall



Practical Solutions for a Better Tomorrow

Table 6, Summary of Soil Boring Analytical Results
EOG Resources- Achen Frey DM #011; API: 30-015-24536
Unit I, Section 14, Township 17S, Range 25E
Eddy County, New Mexico
Project #19034-0009

Laboratory Sample ID	Date	EPA Method 8015				EPA Method 8021		EPA Method 300.0
		GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
<i>NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)</i>		1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg
SB-1B @ 40 ft	12/28/2022	<20.0	232	384	616	<0.0250	<0.100	10,900
SB-1B @ 50 ft		<20.0	58.0	190	248	<0.0250	<0.100	10,800
SB-1B @ 60 ft		<20.0	95.8	345	441	<0.0250	<0.100	10,600
SB-1B @ 70 ft		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	14,200
SB-1B @ 80 ft		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	17,000
SB-1B @ 90 ft		<20.0	64.2	184	248	<0.0250	<0.100	11,700
SB-1B @ 100 ft		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	14,300
SB-1B @ 110 ft	12/29/2022	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	17,700
SB-1B @ 120 ft		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	15,300

Achen Frey DM #011
Remediation Plan



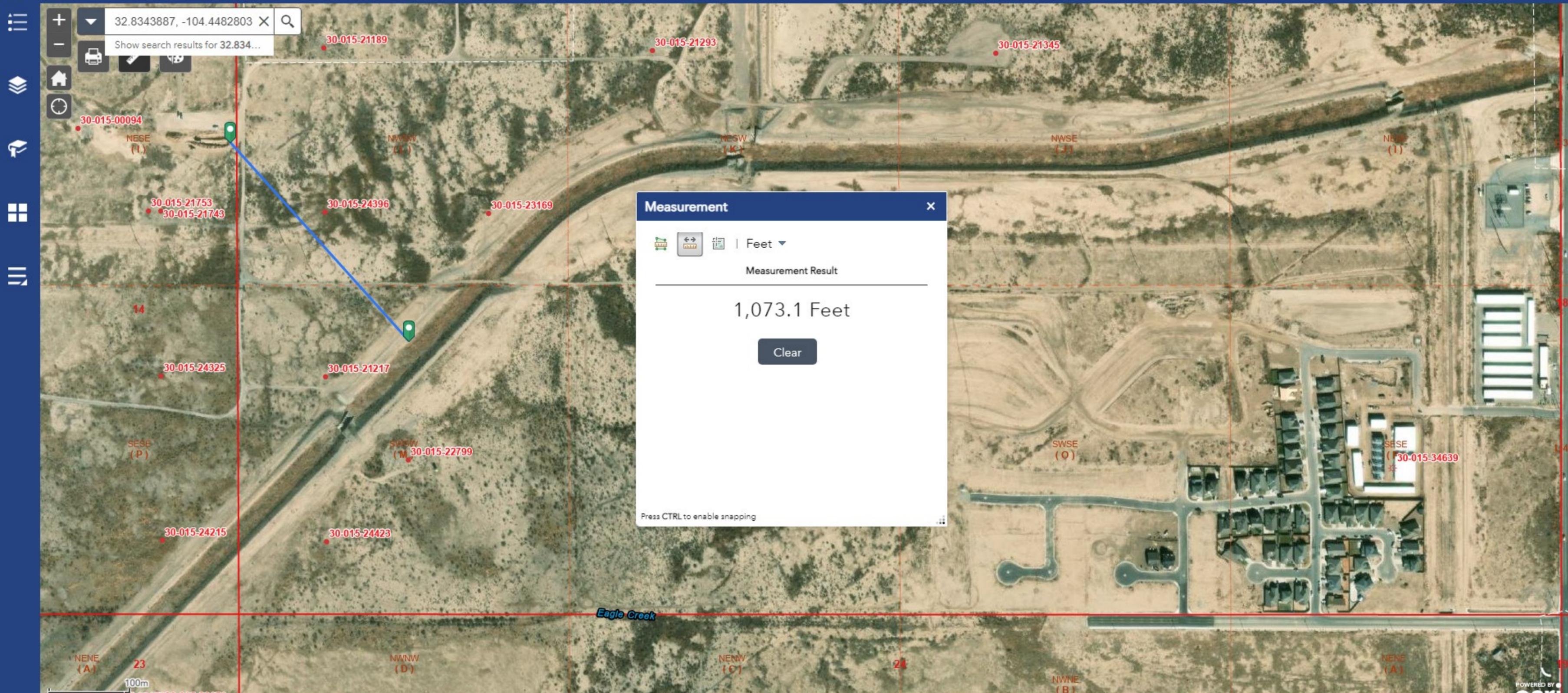
December 15, 2022

Appendix 2
Siting Criteria Documentation

Site Name: Achen Frey DM #11				
API #: 30-015-24536				
Lat/Long: 32.8343887, -104.4482803				
TRS: Unit I Section 14 T17S R25E				
Land Jurisdiction: Private				
County: Eddy				
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	ID	Latitude	Longitude	Distance
Distance to Nearest Significant Watercourse				
1,073 feet to Eagle Draw Dam				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology	Soil borings drilled March 2022 on site - no water at 110 feet			
Elevation Differential				
Water Wells	RA 11744 DTW=187ft (999 ft W from well pad, 1,208 ft from tank battery where excavation is being performed)			
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse				No
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water				No
<300' of an occupied permanent residence, school, hospital, institution or church				No
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes				No
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well				No
<300' of a wetland				No
Within the area overlying a subsurface mine				No
Within an unstable area				No
Within a 100-year floodplain (original flood plain boundary effected site; however, Eagle Draw was constructed in 1995, removing flood risk)				No
DTW Determination	≤50 <input type="checkbox"/>	50-100 <input type="checkbox"/>	>100 <input checked="" type="checkbox"/>	
Benzene	10	10	10	
BTEX (mg/kg)	50	50	50	
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000	
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500	
Chlorides (mg/kg)	600	10,000	20,000	



Practical Solutions of a Better Tomorrow



Measurement [X]

Feet [v]

Measurement Result

1,073.1 Feet

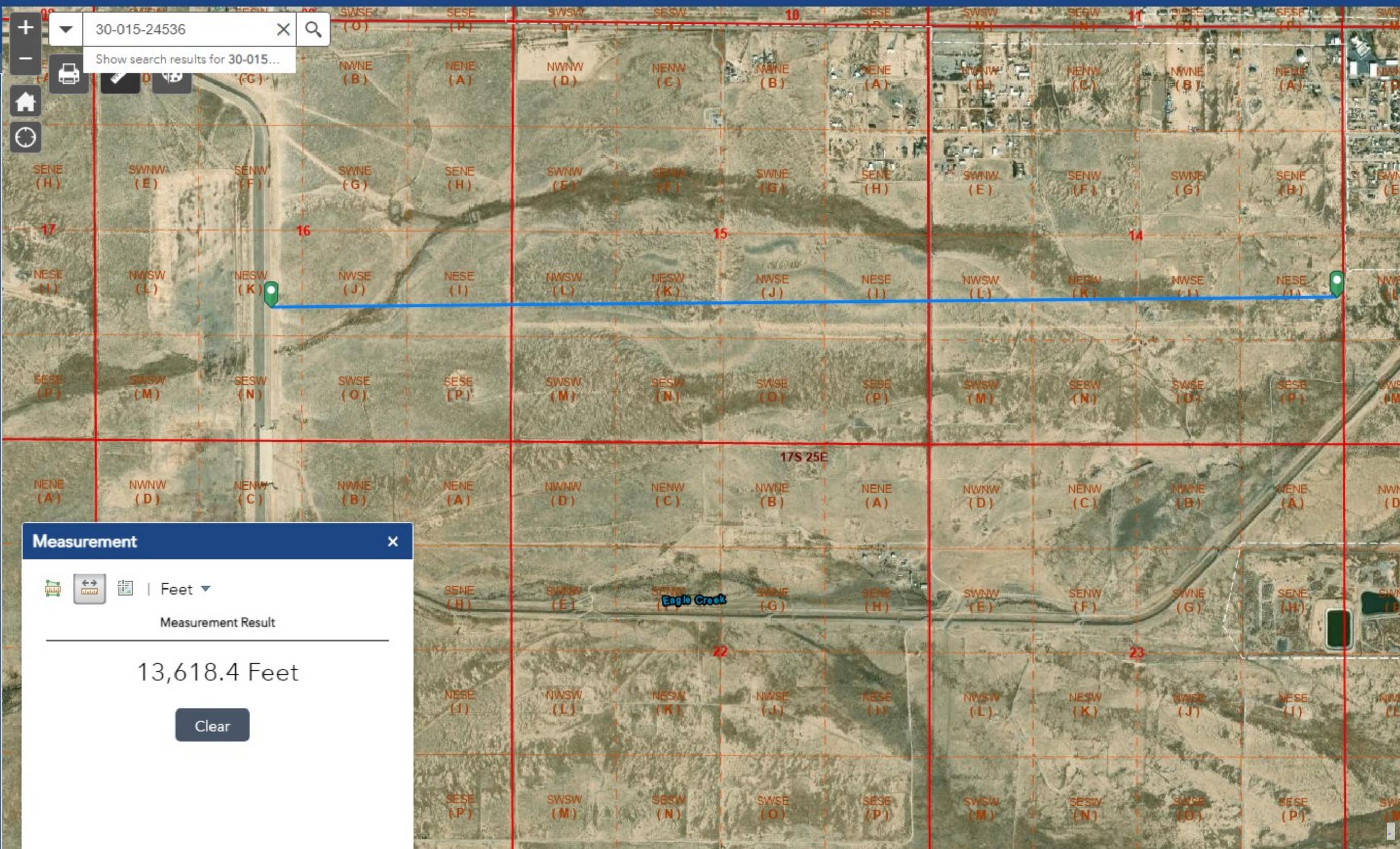
Clear

Press CTRL to enable snapping



Layer List

- Layers**
- M2.5+ Earthquakes (USGS 30-day) ...
 - OCD Districts ...
 - OCD District Offices ...
 - NM Oil and Gas Production Areas ...
 - NM Oil and Gas Wells ...
 - OSE Point of Diversions (POD) ...
 - USGS Groundwater wells ...
 - Induced Seismicity Area ...
 - Permian Basin Karst Areas ...
 - BLM Oil and Gas / Fluid Minerals ...
 - NM SLO Oil and Gas Leases ...
 - NM SLO Participating Area and Unit Agreement Boundaries ...
 - Political Boundaries and Transportation ...
 - Mineral and Surface Ownership ...
 - Hydrology ...
 - Public Land Survey System (PLSS) ...



Measurement [Close]

Feet

Measurement Result

13,618.4 Feet

Clear



Measurement



Feet (US)

Measurement Result

999.4 Feet (US)

Clear

Press CTRL to enable snapping

32.83, -104.45

Show search results for 32.83, -...



(3 of 3)

OSE Points of Diversion:

Water Right Summary	More info
Basin	RA
Number	11744
Suffix	POD1
Legal Description	
County	ED
Drill Start Date	11/30/2011
Drill Finish Date	12/9/2011
Plug Date	
Proof of Completion of well Received Date	
Elevation	
Depth of Well	300
Ground Water Source	S
% Shallow	100
Depth to water	187
Well Log File Date	12/13/2011
Scheduled Date	
Use of Well	DOMESTIC/STOCK
Pump Type	
Pump Serial	
Discharge	
Aquifer	
System Date	2/28/2012
Subdivision Name	NA
Subdivison Location	
Restriction	
Surface Code	
Estimated Yield	15
POD Status	ACT
Casing Size	5.00
Conveyance Name	
Tract #	
Survey map	
Other Lcoation	
POD Rec #	262754
cfs start mday	
cfs end mday	
cfs conversion factor	
CS Code	
WRATS ID	
POD Subbasin	RA
Well Tag	
Static Level	

POD File

RA-11744-POD1

Sub Basin

RA

SOIL BORING LITHOLOGY LOG

SB 2

DEPTH (FEET)	TIME	USCS	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
						0-10' bgs excavated	11
15	1324		SS	455.1	1352	tan clayey sand, hydr carbon odor	15
20	1347		SS	54.8	1419	grey → tan clayey sand hydr carbon odor	20
25	1407		SS	38.5	1437	grey → brown clayey sand hydr carbon odor	25
30	1429		SS	9.3	1507	Brown clayey sand	30
35	1455		SS	15.4	1523	Brown clayey sand	35
40	1520		SS	4.8	1533	light tan clayey sand w/white inclusions	40

DRILLER: Benjamin BIT SIZE: 2" LOCATION: Achen Frey DM #011
 HELPER: _____ TOTAL BORING DEPTH: 40' GPS COORDINATES: _____
 DRILLING COMPANY: HRL DATE STARTED: 3/8/22 DATE COMPLETED 3/8/2022
 DRILLING METHOD: HSA SAMPLER TYPE: SS SCIENTIST: BAH
 Note: SS = Split Spoon A = Auger c5 = 5 foot composite from air cuttings



ENVIRONMENTAL SCIENTISTS & ENGINEERS
 5796 U.S. HIGHWAY 64
 FARMINGTON, NEW MEXICO 87401
 (505) 632-0615

REVISIONS
 BY _____ DATE _____
 BY _____ DATE _____

Project # 19034-0009

DATE _____ DRAWN _____ PAGE _____
 SCALE NTS APPROVED _____ OF _____

SOIL BORING LITHOLOGY LOG

SB 2

DEPTH (FEET)	TIME	USCS	SAMPLE TYPE	CI- HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
							(39)
60	8:15			8:46 76427		Light Brown Clay like soil mixed with white hard layer	60
							(41)
65	9:07			9:40 76427		Reddish Brown clay like soil with white streaks no odor	65
							(33)
70	10:03			10:36 4942		Reddish Brown Clay like soil no odor	70
							(74)
75	10:55			11:28 3984		Reddish Brown Clay like soil with white streaks no odor	75
							(29)
80'	11:41			12:28 2914		Reddish Brown Clay like soil with white streaks no odor	80
							(20)
85	12:45			13:26 2431		Light Brown / Reddish Brown Clay no odor	85
							(15)
90	13:34			14:15 2914		Reddish Brown clay like soil, no odor	90

DRILLER: Ben BIT SIZE: 2" LOCATION: Achen Frey DM #011
 HELPER: Cameron TOTAL BORING DEPTH: _____ GPS COORDINATES: _____
 DRILLING COMPANY: HRL DATE STARTED: 3/20/2022 DATE COMPLETED _____
 DRILLING METHOD: HSA SAMPLER TYPE: SS SCIENTIST: BAH 126
 Note: SS = Split Spoon A = Auger c5 = 5 foot composite from air cuttings

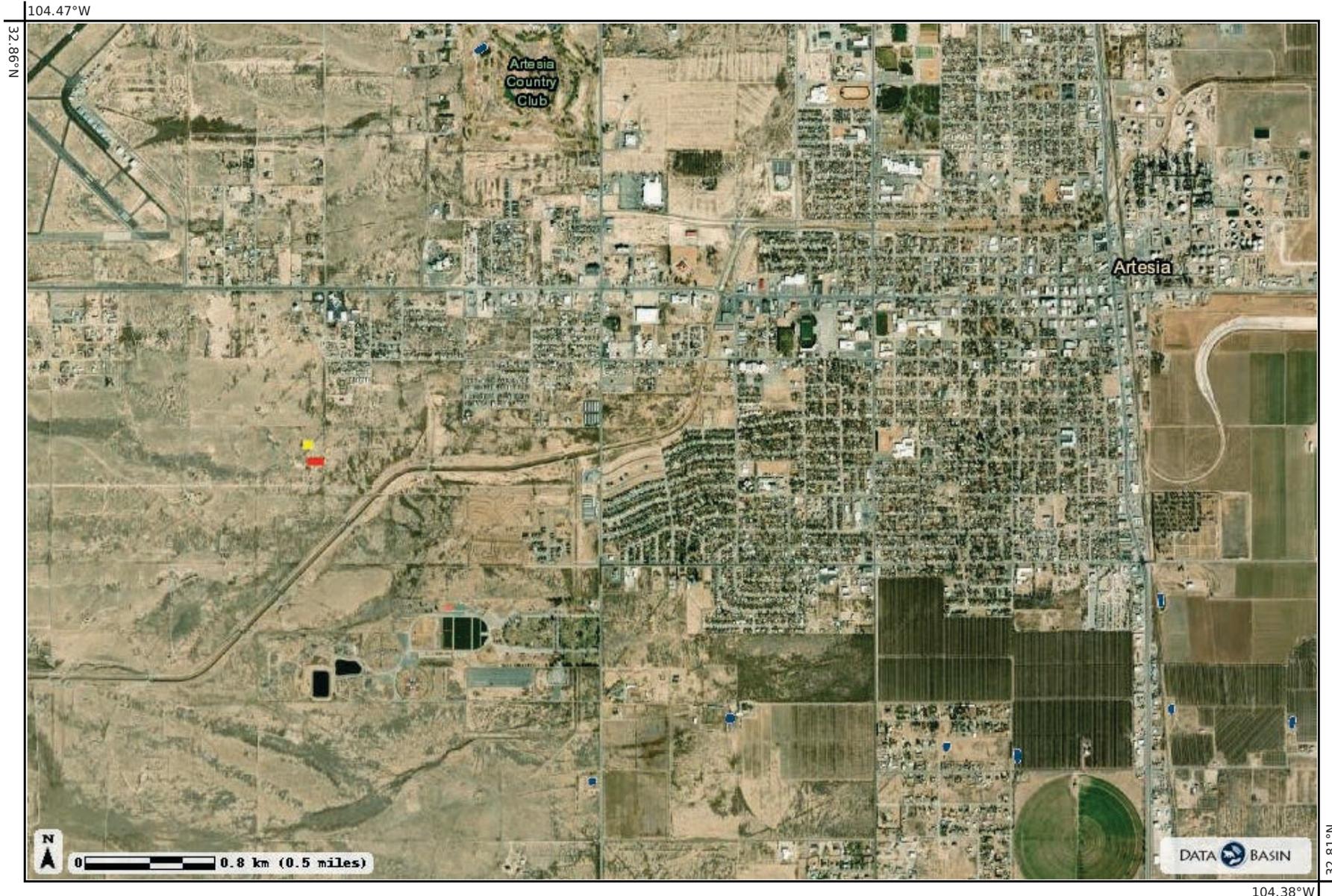


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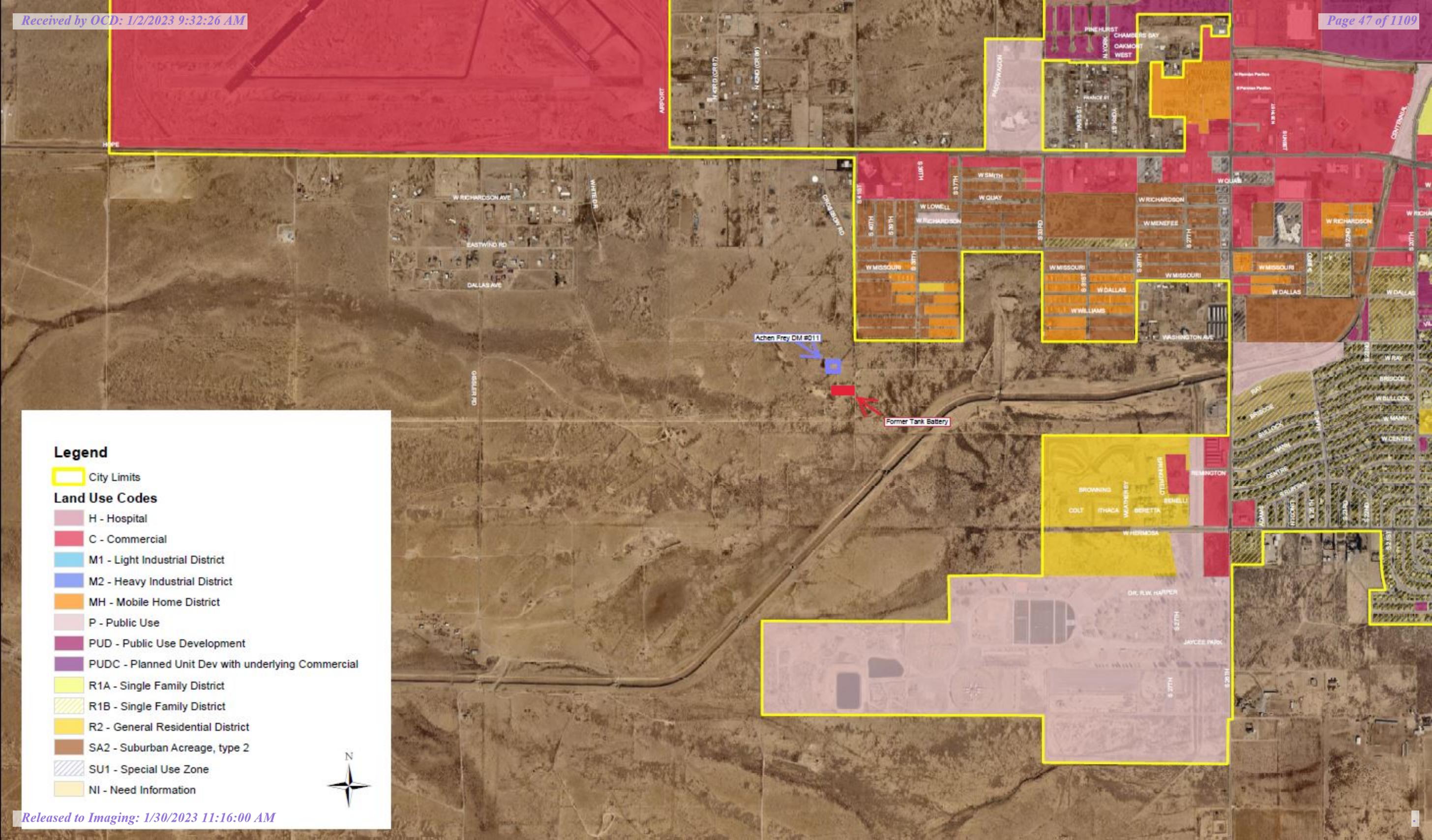
Project # 19034-0009

DATE _____ DRAWN _____ PAGE _____
 SCALE NTS APPROVED _____ OF _____



- Wetlands and deepwater habitats in the state of New Mexico, USA
- Achen Frey DM #011 well site
- Former tank battery





Legend

- City Limits
- Land Use Codes**
- H - Hospital
- C - Commercial
- M1 - Light Industrial District
- M2 - Heavy Industrial District
- MH - Mobile Home District
- P - Public Use
- PUD - Public Use Development
- PUDC - Planned Unit Dev with underlying Commercial
- R1A - Single Family District
- R1B - Single Family District
- R2 - General Residential District
- SA2 - Suburban Acreage, type 2
- SU1 - Special Use Zone
- NI - Need Information

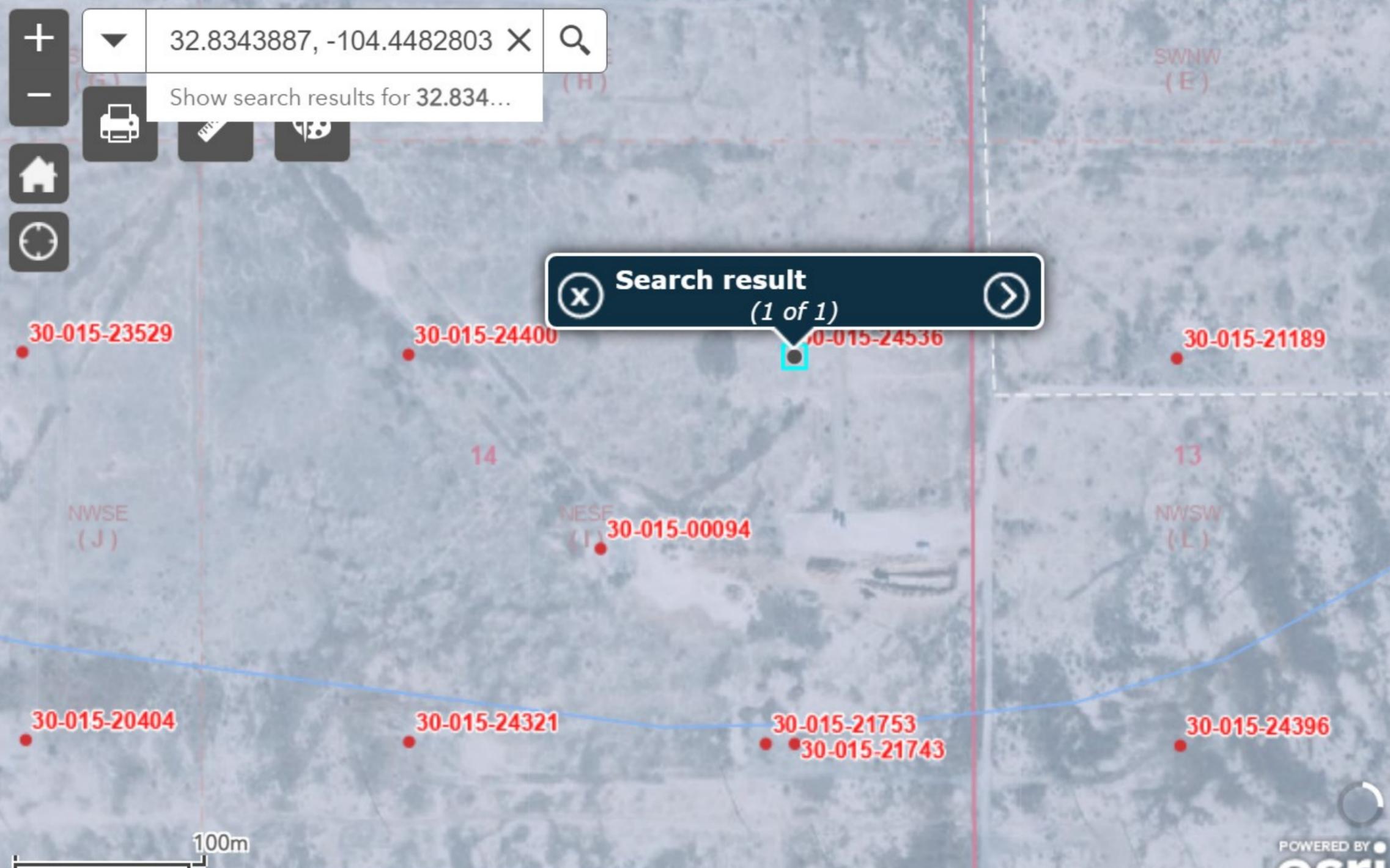


NM OCD OIL AND GAS MAP



Layer List

- USGS Groundwater wells
- Induced Seismicity Area
- Permian Basin Karst Areas
 - Critical Karst Resource Area
 - Karst Occurrence Potential
 - High
 - Medium
 - Low
- BLM Oil and Gas / Fluid Minerals





104°27'13"W 32°50'19"N



Legend

SE F I S P R E O F F E T I L I E D L E G E N D A N D I N D E X M P I D R F I A R N B I A P O U T

S P E C I A L H A Z A R D		Without Base Flood (Zone A)
		With BFE Zone (Zone X)
		Residual Flood

O T H E R A R E A S F O O D H A Z A R D		0.2% Annual Chance of 1% Annual Exceedance Depth less than or equal to areas of less than 1% Annual Chance Flood Hazard
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Flood Risk
		Area with Flood Risk

O T H E R A R E A S		Effective MRs
		Area of Unneeded Flood

GENERAL TURBULENCE CHANNELS, CULVERTS, BRIDGES, AND OTHER STRUCTURES

O T H E R F E A T U R E S		2.0' Cross Sections with 1% Water Surface Elevation
		1.7' Cross Sections with 1% Water Surface Elevation
		Coastal Elevation
		Base Flood Elevation (BFE)
		Limit of JIS
		Jurisdiction Boundary

M A R N P E L S		Digital Data Available
		No Digital Data Available
		Unmapped

The point symbol represents the map coordinate point of the user at the location of the map.

This map complies with the minimum standards for digital data as described in the FEMA's accuracy standards.

The flood hazard information displayed on this map was prepared by FEMA. FEMA is not responsible for any changes or amendments made to the information after the date of publication.

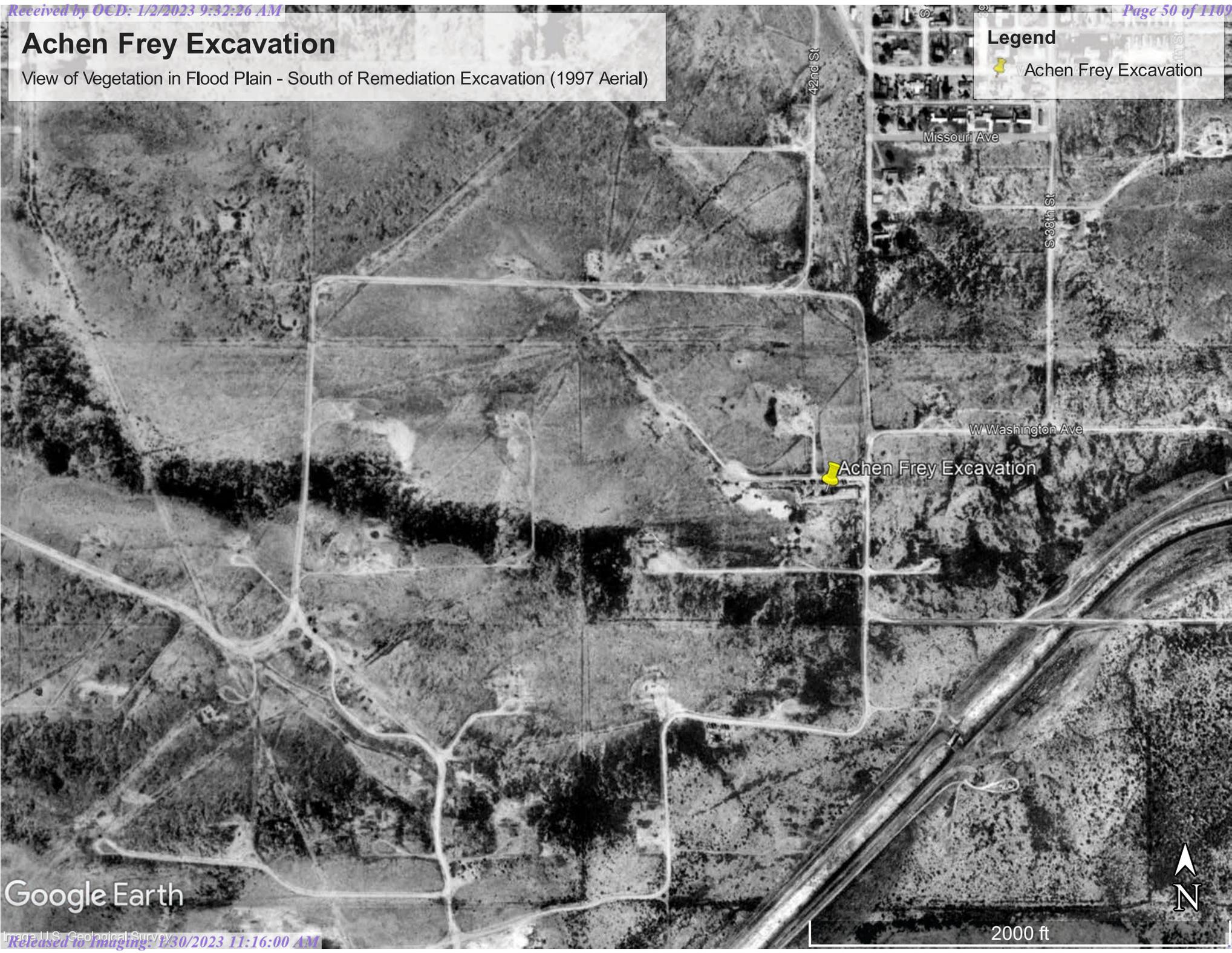
This map and its contents are provided for informational purposes only. The user is responsible for the accuracy of the information and for the use of the information.

Achen Frey Excavation

View of Vegetation in Flood Plain - South of Remediation Excavation (1997 Aerial)

Legend

 Achen Frey Excavation



42nd St

Missouri Ave

S 36th St

W Washington Ave

 Achen Frey Excavation

Google Earth

2000 ft

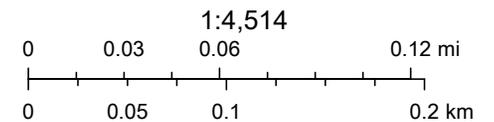


2022 Aerial Illustrating Change in Vegetation in Former Flood Plain



11/29/2022, 4:59:19 PM

- PLSS Second Division
- PLSS First Division



Esri, HERE, Garmin, GeoTechnologies, Inc., Maxar, BLM

Achen Frey DM #011
Remediation Plan



December 15, 2022

Appendix 3
Site Photography

Site Photography
EOG Resources
Achen Frey DM #011
Revised Remediation Plan
Eddy County, New Mexico
Project #19034-0009



Picture 1: PCS Trench and Tiers



Picture 2: Tiers and Stockpiles

Site Photography
EOG Resources
Achen Frey DM #011
Revised Remediation Plan
Eddy County, New Mexico
Project #19034-0009



Picture 3: Excavation Progress



Picture 4: PCS Trench Excavation

Site Photography
EOG Resources
Achen Frey DM #011
Revised Remediation Plan
Eddy County, New Mexico
Project #19034-0009



Picture 5: PCS Trench



Picture 6: Excavation Extents, December 5, 2022

Site Photography
EOG Resources
Achen Frey DM #011
Revised Remediation Plan
Eddy County, New Mexico
Project #19034-0009



Picture 7: Drilling SB-1B



Picture 8: Stockpile Sampling

Achen Frey DM #011
Remediation Plan



December 15, 2022

Appendix 4

Laboratory Analytical Reports

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207190

Job Number: 19034-0009

Received: 7/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/3/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/3/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207190
Date Received: 7/28/2022 10:13:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2022 10:13:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/03/22 15:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-254	E207190-01A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-255	E207190-02A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-256	E207190-03A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-257	E207190-04A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-258	E207190-05A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-259	E207190-06A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-260	E207190-07A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-261	E207190-08A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-262	E207190-09A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-263	E207190-10A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-264	E207190-11A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-265	E207190-12A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-266	E207190-13A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-267	E207190-14A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-268	E207190-15A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-269	E207190-16A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-270	E207190-17A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-271	E207190-18A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-272	E207190-19A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-273	E207190-20A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-254

E207190-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	536	250	10	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	532	500	10	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	74.9	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-255

E207190-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	97.2	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-256

E207190-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		97.7 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	386	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-257

E207190-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	380	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-258

E207190-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	722	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-259

E207190-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	500	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-260

E207190-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	897	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-261

E207190-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	55.5	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-262

E207190-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		85.1 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	72.2	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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E207190-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	178	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-264

E207190-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	513	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-265

E207190-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	528	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-266

E207190-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	495	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-267

E207190-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	34.7	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-268

E207190-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-269

E207190-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-270

E207190-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-271

E207190-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-272

E207190-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	21.5	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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CS-273

E207190-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	08/01/22	08/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/22	08/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232006
Chloride	63.4	20.0	1	08/01/22	08/02/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232014-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2232014-BS1)

Prepared: 08/01/22 Analyzed: 08/01/22

Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.69	0.0250	2.50		108	70-130			
Toluene	2.59	0.0250	2.50		104	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.01	0.0500	5.00		100	70-130			
Total Xylenes	7.54	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS Dup (2232014-BSD1)

Prepared: 08/01/22 Analyzed: 08/01/22

Benzene	2.64	0.0250	2.50		105	70-130	3.10	23	
Ethylbenzene	2.79	0.0250	2.50		112	70-130	3.79	27	
Toluene	2.68	0.0250	2.50		107	70-130	3.42	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	3.51	27	
p,m-Xylene	5.20	0.0500	5.00		104	70-130	3.71	27	
Total Xylenes	7.82	0.0250	7.50		104	70-130	3.65	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232014-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2232014-BS2)

Prepared: 08/01/22 Analyzed: 08/02/22

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS Dup (2232014-BSD2)

Prepared: 08/01/22 Analyzed: 08/02/22

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0		115	70-130	4.94	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232019-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			

LCS (2232019-BS1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	211	25.0	250		84.4	38-132			
Surrogate: n-Nonane	45.0		50.0		89.9	50-200			

Matrix Spike (2232019-MS1)

Source: E207190-09

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	134	25.0	250	ND	53.6	38-132			
Surrogate: n-Nonane	48.2		50.0		96.3	50-200			

Matrix Spike Dup (2232019-MSD1)

Source: E207190-09

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132	50.9	20	R3
Surrogate: n-Nonane	50.2		50.0		100	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:06:55PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232006-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	ND	20.0							
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LCS (2232006-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	250	20.0	250		100	90-110			
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Matrix Spike (2232006-MS1)

Source: E207190-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	316	20.0	250	74.9	96.4	80-120			
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Matrix Spike Dup (2232006-MSD1)

Source: E207190-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	344	20.0	250	74.9	108	80-120	8.46	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/03/22 15:06
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R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 7

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program		
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Greg Crabtree		Address:		E207190	19034-0009				x		
Address:		City, State, Zip		Analysis and Method							
City, State, Zip		Phone:		NM CO UT AZ TX State Remarks							
Phone:		Email:									
Email: All Enviro											
Report due by:											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number						
8:42	7-27-22	S	1	CS-254	1	X					
8:46				CS-255	2						
8:49				CS-256	3						
8:54				CS-257	4						
8:56				CS-258	5						
8:59				CS-259	6						
9:03				CS-260	7						
9:09				CS-261	8						
9:11				CS-262	9						
9:17				CS-263	10						
Additional Instructions:											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or preserved packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Sampled by: Khelton Sanchez						Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____					
<i>[Signature]</i>	7-27-22	15:05	<i>[Signature]</i>	7-27-22	15:05	AVG Temp °C <u>4</u>					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					
<i>[Signature]</i>	7-27-22	16:45	<i>[Signature]</i>	7/28/22	10:13	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Project Information

Chain of Custody

Page 2 of 7

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program		
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SOWA
Project Manager: Greg Crabtree		Address:		F207190	19034-0009				x		
Address:		City, State, Zip		Analysis and Method							
City, State, Zip		Phone:		NM CO UT AZ TX State RCRA x							
Phone:		Email:									
Email: All Enviro											
Report due by:				Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number						
9:18	7-27-22	S	1	CS-264	11	X					
9:22				CS-265	12						
9:25				CS-266	13						
9:40				CS-267	14						
9:45				CS-268	15						
9:49				CS-269	16						
9:52				CS-270	17						
9:58				CS-271	18						
10:03				CS-272	19						
10:09				CS-273	20						
Additional Instructions:											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 4°C on subsequent days.					
Sampled by: (Signature) <i>Khelton Sanchez</i>						Received on ice: <input checked="" type="checkbox"/> N					
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	T1 _____ T2 _____ T3 _____			
Relinquished by: (Signature) <i>[Signature]</i>		7-27-22	15:05	Received by: (Signature) <i>Castillo Chate</i>		7/28/22	10:13	AVG Temp °C <u>4</u>			
Relinquished by: (Signature) <i>[Signature]</i>		7-27-22	16:45	Received by: (Signature) <i>[Signature]</i>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 7/28/2022 12:14:52PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/28/22 10:13	Work Order ID: E207190
Phone: (575) 748-4217	Date Logged In: 07/28/22 10:58	Logged In By: Caitlin Christian
Email:	Due Date: 08/03/22 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:
 E207190 COC pg 1&2 of 7, E207191 COC pg 3&4 of 7, E207192 COC pg 5&6 of 7, E207193 COC pg 7 of 7.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207191

Job Number: 19034-0009

Received: 7/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/3/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/3/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207191
Date Received: 7/28/2022 10:13:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2022 10:13:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/03/22 15:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-274	E207191-01A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-275	E207191-02A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-276	E207191-03A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-277	E207191-04A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-278	E207191-05A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-279	E207191-06A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-280	E207191-07A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-281	E207191-08A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-282	E207191-09A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-283	E207191-10A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-284	E207191-11A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-285	E207191-12A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-286	E207191-13A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-287	E207191-14A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-288	E207191-15A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-289	E207191-16A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-290	E207191-17A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-291	E207191-18A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-292	E207191-19A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-293	E207191-20A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-274

E207191-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2232007
Chloride	128	20.0	1	08/01/22	08/01/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-275

E207191-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	20.4	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-276

E207191-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	68.3	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-277

E207191-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-278

E207191-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		86.7 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	ND	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-279

E207191-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		93.5 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	408	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-280

E207191-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	185	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-281

E207191-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	129	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-282

E207191-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		98.7 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	607	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-283

E207191-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	1360	500	20	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	1980	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-284

E207191-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	245	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-285

E207191-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	369	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-286

E207191-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	291	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-287

E207191-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	298	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-288

E207191-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		98.4 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	244	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-289

E207191-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	126	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-290

E207191-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	172	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-291

E207191-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	502	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-292

E207191-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	589	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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CS-293

E207191-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232021
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232007
Chloride	401	20.0	1	08/01/22	08/02/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232015-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.43		8.00		118	70-130			

LCS (2232015-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Benzene	4.51	0.0250	5.00		90.2	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130			
Toluene	4.57	0.0250	5.00		91.3	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.45		8.00		118	70-130			

LCS Dup (2232015-BSD1)

Prepared: 08/01/22 Analyzed: 08/02/22

Benzene	4.49	0.0250	5.00		89.8	70-130	0.439	20	
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130	0.232	20	
Toluene	4.55	0.0250	5.00		91.0	70-130	0.380	20	
o-Xylene	4.66	0.0250	5.00		93.2	70-130	0.193	20	
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130	0.200	20	
Total Xylenes	13.8	0.0250	15.0		92.0	70-130	0.0673	20	
Surrogate: 4-Bromochlorobenzene-PID	9.48		8.00		118	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232015-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.28		8.00		116	70-130			

LCS (2232015-BS2)

Prepared: 08/01/22 Analyzed: 08/02/22

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.16		8.00		114	70-130			

LCS Dup (2232015-BSD2)

Prepared: 08/01/22 Analyzed: 08/02/22

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0		114	70-130	2.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.36		8.00		117	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232021-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		96.1	50-200			

LCS (2232021-BS1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	226	25.0	250		90.3	38-132			
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			

Matrix Spike (2232021-MS1)

Source: E207191-18

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.7	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

Matrix Spike Dup (2232021-MSD1)

Source: E207191-18

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	1.34	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 3:13:47PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232007-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Chloride ND 20.0

LCS (2232007-BS1)

Prepared: 08/01/22 Analyzed: 08/01/22

Chloride 247 20.0 250 98.9 90-110

Matrix Spike (2232007-MS1)

Source: E207191-01

Prepared: 08/01/22 Analyzed: 08/01/22

Chloride 493 20.0 250 128 146 80-120 M2

Matrix Spike Dup (2232007-MSD1)

Source: E207191-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride 384 20.0 250 128 102 80-120 24.9 20 R3

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/03/22 15:13
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- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 3 of 7

Client: FOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# F207191 Job Number 19034-0009		TAT 1D 2D 3D Standard x			EPA Program CWA SDWA RCRA x State NM CO UT AZ TX	
Report due by:				Analysis and Method					Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number					
10:13	7-27-22	S	1	CS-274	1	X				
10:18				CS-275	2					
10:21				CS-276	3					
10:23				CS-277	4					
10:28				CS-278	5					
10:32				CS-279	6					
10:35				CS-280	7					
10:40				CS-281	8					
10:44				CS-282	9					
10:50				CS-283	10					
Additional Instructions:										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring special preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only		
RK SD		7-27-22	15:05	[Signature]		7-27-22	15:05	Received on Ice: <input checked="" type="radio"/> N		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3		
[Signature]		7-27-22	16:45	Achen Frey		7/28/22	10:13	AVG Temp °C 4		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.										

Project Information

Chain of Custody

Page 4 of 7

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program																	
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA															
Project Manager: Greg Crabtree		Address:		F207191	19034-0009				x																	
Address:		City, State, Zip		Analysis and Method																						
City, State, Zip		Phone:		<table border="1"> <tr> <td colspan="5">State</td> </tr> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								State					NM	CO	UT	AZ	TX	x				
State																										
NM	CO	UT	AZ									TX														
x																										
Email: All Enviro		Email:		Remarks																						
Report due by:																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																					
10:54	7-27-22	S	1	BS-284	11	x																				
11:01				CS-285	12																					
11:05				CS-286	13																					
11:09				CS-287	14																					
11:10				CS-288	15																					
11:13				CS-289	16																					
11:20				CS-290	17																					
11:35				CS-291	18																					
11:37				CS-292	19																					
11:43				CS-293	20																					
Additional Instructions:																										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																				
Sampled by: Kholeton Sanchez																										
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only																				
<i>[Signature]</i>	7-27-22	15:05	<i>[Signature]</i>	7-27-22	15:05	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3																				
<i>[Signature]</i>	7-27-22	16:45	<i>[Signature]</i>	7/28/22	10:13																					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4																				
Sample Matrix: S - Soil, Sd - Solid Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																										

Envirotech Analytical Laboratory

Printed: 7/28/2022 12:18:14PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/28/22 10:13	Work Order ID: E207191
Phone: (575) 748-4217	Date Logged In: 07/28/22 11:00	Logged In By: Caitlin Christian
Email:	Due Date: 08/03/22 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:
 E207190 COC pg 1&2 of 7, E207191 COC pg 3&4 of 7, E207192 COC pg 5&6 of 7, E207193 COC pg 7 of 7.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207192

Job Number: 10934-0009

Received: 7/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/4/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/4/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207192
Date Received: 7/28/2022 10:13:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2022 10:13:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 10934-0009
Project Manager: Greg Crabtree

Reported:
08/04/22 08:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-294	E207192-01A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-295	E207192-02A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-296	E207192-03A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-297	E207192-04A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-298	E207192-05A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-299	E207192-06A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-300	E207192-07A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-301	E207192-08A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-302	E207192-09A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-303	E207192-10A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-304	E207192-11A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-305	E207192-12A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-306	E207192-13A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-307	E207192-14A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-308	E207192-15A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-309	E207192-16A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-310	E207192-17A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-311	E207192-18A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-312	E207192-19A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-313	E207192-20A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-294

E207192-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22
Toluene	ND	0.0250	1	08/01/22	08/03/22
o-Xylene	ND	0.0250	1	08/01/22	08/03/22
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22

<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		08/01/22	08/03/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		08/01/22	08/03/22
<i>Surrogate: Toluene-d8</i>	104 %	70-130		08/01/22	08/03/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22
<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		08/01/22	08/03/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		08/01/22	08/03/22
<i>Surrogate: Toluene-d8</i>	104 %	70-130		08/01/22	08/03/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	31.3	25.0	1	08/01/22	08/01/22
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22
<i>Surrogate: n-Nonane</i>	101 %	50-200		08/01/22	08/01/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2232008
Chloride	2610	20.0	1	08/01/22	08/02/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-295

E207192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	1250	50	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	2500	50	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	1490	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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E207192-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	291	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-297

E207192-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	519	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-298

E207192-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	348	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-299

E207192-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	264	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-300

E207192-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	390	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-301

E207192-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	458	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-302

E207192-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	66.3	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-303

E207192-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	46.8	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-304

E207192-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		97.4 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	81.3	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-305

E207192-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	310	250	10	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	500	10	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		95.2 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	928	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-306

E207192-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	41.0	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	803	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-307

E207192-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	35.7	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	187	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-308

E207192-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	29.7	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	511	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-309

E207192-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	158	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-310

E207192-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	78.0	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-311

E207192-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	145	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-312

E207192-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	39.0	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		93.7 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	89.7	20.0	1	08/01/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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CS-313

E207192-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	33.7	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232008
Chloride	310	20.0	1	08/01/22	08/03/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232016-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2232016-BS1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	2.42	0.0250	2.50		96.9	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.41	0.0250	2.50		96.5	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130			
Total Xylenes	7.18	0.0250	7.50		95.8	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS Dup (2232016-BSD1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	2.54	0.0250	2.50		102	70-130	4.71	23	
Ethylbenzene	2.72	0.0250	2.50		109	70-130	6.27	27	
Toluene	2.62	0.0250	2.50		105	70-130	6.68	24	
o-Xylene	2.57	0.0250	2.50		103	70-130	6.17	27	
p,m-Xylene	5.09	0.0500	5.00		102	70-130	6.42	27	
Total Xylenes	7.65	0.0250	7.50		102	70-130	6.34	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232016-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2232016-BS2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS Dup (2232016-BSD2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232020-BLK1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	50-200			

LCS (2232020-BS1)

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	240	25.0	250		96.1	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike (2232020-MS1)

Source: E207192-08

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

Matrix Spike Dup (2232020-MSD1)

Source: E207192-08

Prepared: 08/01/22 Analyzed: 08/01/22

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.75	20	
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 8/4/2022 8:37:05AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232008-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	ND	20.0							
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LCS (2232008-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	249	20.0	250		99.4	90-110			
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Matrix Spike (2232008-MS1)

Source: E207192-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	2220	20.0	250	2610	NR	80-120			M4
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Matrix Spike Dup (2232008-MSD1)

Source: E207192-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride	3240	20.0	250	2610	253	80-120	37.3	20	M4, R3
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 10934-0009 Project Manager: Greg Crabtree	Reported: 08/04/22 08:37
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- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 5 of 7

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab W/O# E207192 Job Number 19034-0009		TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA x State NM CO UT AZ TX		
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method						Remarks
11:48	7-27-22	S	1	CS-294	1	BDGOL						X
11:57				CS-295	2							
11:56				CS-296	3							
12:01				CS-297	4							
12:06				CS-298	5							
12:10				CS-299	6							
12:15				CS-300	7							
12:18				CS-301	8							
12:24				CS-302	9							
12:30				CS-303	10							
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are collected or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only				
		7-27-22	15:05			7-27-22	15:05	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3				
		7-27-22	16:45			7/28/22	10:13					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4				
								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.												

Project Information

Chain of Custody

Page 6 of 7

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO#: F 207192 Job Number: 19034-0009		TAT 1D 2D 3D Standard x			EPA Program CWA SDWA RCRA x State: NM CO UT AZ TX			
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method					Remarks	
12:35	7-27-22	S	1	CS-304	11	X BPG OC						
12:39				CS-305	12							
12:44				CS-306	13							
12:49				CS-307	14							
12:53				CS-308	15							
12:58				CS-309	16							
13:06				CS-310	17							
13:30				CS-311	18							
17:36				CS-312	19							
13:41				CS-313	20							
Additional Instructions: (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												
Relinquished by: (Signature) <i>[Signature]</i> Date: 7-27-22 Time: 15:05 Relinquished by: (Signature) <i>[Signature]</i> Date: 7-27-22 Time: 16:45 Relinquished by: (Signature) <i>[Signature]</i> Date: 7-27-22 Time: 16:45						Sampled by: <i>[Signature]</i> Received by: (Signature) <i>[Signature]</i> Date: 7/27/22 Time: 15:05 Received by: (Signature) <i>[Signature]</i> Date: 7/24/22 Time: 10:13					Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 T2 T3 AVG Temp °C: 4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.												

Envirotech Analytical Laboratory

Printed: 7/28/2022 12:26:02PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/28/22 10:13	Work Order ID: E207192
Phone: (575) 748-4217	Date Logged In: 07/28/22 11:02	Logged In By: Caitlin Christian
Email:	Due Date: 08/03/22 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:
 E207190 COC pg 1&2 of 7, E207191 COC pg 3&4 of 7, E207192 COC pg 5&6 of 7, E207193 COC pg 7 of 7.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207193

Job Number: 19034-0009

Received: 7/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/3/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/3/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207193
Date Received: 7/28/2022 10:13:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2022 10:13:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/03/22 16:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-314	E207193-01A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-315	E207193-02A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-316	E207193-03A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-317	E207193-04A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-318	E207193-05A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-319	E207193-06A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-320	E207193-07A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-321	E207193-08A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-322	E207193-09A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.
CS-323	E207193-10A	Soil	07/27/22	07/28/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-314

E207193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>	98.7 %	70-130		07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130		07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>	98.7 %	70-130		07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130		07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	56.7	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-315

E207193-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	304	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-316

E207193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	125	5	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	250	5	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	137	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-317

E207193-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		96.5 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	128	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-318

E207193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	113	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-319

E207193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	336	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-320

E207193-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	301	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-321

E207193-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	1270	20.0	1	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-322

E207193-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	43.7	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		96.5 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	2240	40.0	2	08/01/22	08/02/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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CS-323

E207193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Benzene	ND	0.0250	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/28/22	07/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/28/22	07/30/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/02/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232009
Chloride	227	20.0	1	08/01/22	08/02/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231074-BLK1)

Prepared: 07/28/22 Analyzed: 07/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2231074-BS1)

Prepared: 07/28/22 Analyzed: 07/29/22

Benzene	2.61	0.0250	2.50		105	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.54	0.0250	2.50		101	70-130			
p,m-Xylene	5.03	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS Dup (2231074-BSD1)

Prepared: 07/28/22 Analyzed: 07/29/22

Benzene	2.63	0.0250	2.50		105	70-130	0.401	23	
Ethylbenzene	2.74	0.0250	2.50		109	70-130	1.29	27	
Toluene	2.65	0.0250	2.50		106	70-130	0.720	24	
o-Xylene	2.57	0.0250	2.50		103	70-130	1.39	27	
p,m-Xylene	5.11	0.0500	5.00		102	70-130	1.57	27	
Total Xylenes	7.68	0.0250	7.50		102	70-130	1.51	27	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231074-BLK1)

Prepared: 07/28/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2231074-BS2)

Prepared: 07/28/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS Dup (2231074-BSD2)

Prepared: 07/28/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130	0.594	20	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232013-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			

LCS (2232013-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Diesel Range Organics (C10-C28)	259	25.0	250		103	38-132			
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			

Matrix Spike (2232013-MS1)

Source: E207193-09

Prepared: 08/01/22 Analyzed: 08/02/22

Diesel Range Organics (C10-C28)	308	25.0	250	43.7	106	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			

Matrix Spike Dup (2232013-MSD1)

Source: E207193-09

Prepared: 08/01/22 Analyzed: 08/02/22

Diesel Range Organics (C10-C28)	310	25.0	250	43.7	107	38-132	0.649	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/3/2022 4:23:04PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232009-BLK1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride ND 20.0

LCS (2232009-BS1)

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride 250 20.0 250 99.9 90-110

Matrix Spike (2232009-MS1)

Source: E207193-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride 300 20.0 250 56.7 97.3 80-120

Matrix Spike Dup (2232009-MSD1)

Source: E207193-01

Prepared: 08/01/22 Analyzed: 08/02/22

Chloride 304 20.0 250 56.7 98.9 80-120 1.34 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/03/22 16:23
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 7 of 7

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program																		
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA																
Project Manager: Greg Crabtree		Address:		E207193	19034-0009				x																		
Address:		City, State, Zip		Analysis and Method																							
City, State, Zip		Phone:		BDGOC																							
Phone:		Email:										RCRA															
Email: All Enviro												State															
Report due by:				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> <td colspan="3"></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> </table>								NM	CO	UT	AZ	TX				x							
NM	CO	UT	AZ	TX																							
x																											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																					
13:46	7-27-22	S	1	CS-314	1	X																					
13:52				CS-315	2																						
13:58				CS-316	3																						
14:02				CS-317	4																						
14:08				CS-318	5																						
14:13				CS-319	6																						
14:20				CS-320	7																						
14:24				CS-321	8																						
14:30				CS-322	9																						
14:37				CS-323	10																						
Additional Instructions:																											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																					
Sampled by: Kholeton Sanchez						Lab Use Only																					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																					
<i>[Signature]</i>	7-27-22	15:05	<i>[Signature]</i>	7-27-22	15:05	T1 _____ T2 _____ T3 _____																					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>																					
<i>[Signature]</i>	7-27-22	11:45	<i>[Signature]</i>	7-28-22	10:13																						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

Envirotech Analytical Laboratory

Printed: 7/28/2022 12:28:48PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/28/22 10:13	Work Order ID: E207193
Phone: (575) 748-4217	Date Logged In: 07/28/22 11:09	Logged In By: Caitlin Christian
Email:	Due Date: 08/03/22 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:
 E207190 COC pg 1&2 of 7, E207191 COC pg 3&4 of 7, E207192 COC pg 5&6 of 7, E207193 COC pg 7 of 7.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207203

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/8/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207203
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/08/22 17:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-324	E207203-01A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-325	E207203-02A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-326	E207203-03A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-327	E207203-04A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-328	E207203-05A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-329	E207203-06A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-330	E207203-07A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-331	E207203-08A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-332	E207203-09A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-333	E207203-10A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-334	E207203-11A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-335	E207203-12A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-336	E207203-13A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-337	E207203-14A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-338	E207203-15A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-339	E207203-16A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-340	E207203-17A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-341	E207203-18A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-342	E207203-19A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-343	E207203-20A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-324

E207203-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	121	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	109	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		129 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2232035
Chloride	2530	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-325

E207203-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	691	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-326

E207203-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	45.2	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	5730	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-327

E207203-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	1510	100	5	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-328

E207203-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	7410	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-329

E207203-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.2 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	1190	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-330

E207203-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	86.1	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	101	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		131 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	4860	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-331

E207203-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.1 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	563	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-332

E207203-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	216	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	325	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	932	100	5	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-333

E207203-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	246	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-334

E207203-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	287	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	233	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	2380	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-335

E207203-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	67.6	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	110	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	294	100	5	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-336

E207203-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	837	250	10	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	6570	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-337

E207203-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	641	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-338

E207203-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	82.5	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	86.9	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	1390	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-339

E207203-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	1830	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-340

E207203-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	30.6	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	8320	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-341

E207203-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	1890	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-342

E207203-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	280	250	10	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	2080	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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CS-343

E207203-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232035
Chloride	615	40.0	2	08/02/22	08/03/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232025-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

LCS (2232025-BS1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	4.97	0.0250	5.00		99.4	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.8	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

LCS Dup (2232025-BSD1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	5.26	0.0250	5.00		105	70-130	4.59	20	
Ethylbenzene	5.12	0.0250	5.00		102	70-130	4.82	20	
Toluene	5.30	0.0250	5.00		106	70-130	4.72	20	
o-Xylene	5.21	0.0250	5.00		104	70-130	4.70	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	4.75	20	
Total Xylenes	15.6	0.0250	15.0		104	70-130	4.73	20	
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232025-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

LCS (2232025-BS2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

LCS Dup (2232025-BSD2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130	3.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232059-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS (2232059-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2232059-MS1)

Source: E207203-04

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			

Matrix Spike Dup (2232059-MSD1)

Source: E207203-04

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	344	25.0	250	ND	138	38-132	28.0	20	M2, R3
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 5:08:53PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232035-BLK1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride ND 20.0

LCS (2232035-BS1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 250 20.0 250 100 90-110

Matrix Spike (2232035-MS1)

Source: E207203-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 3290 40.0 250 2530 307 80-120 M3

Matrix Spike Dup (2232035-MSD1)

Source: E207203-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 2930 40.0 250 2530 160 80-120 11.8 20 M3

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 17:08
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- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M3 Matrix spike recovery was outside quality control limits due to matrix interference. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# F207203 Job Number 19034-0009		TAT 1D 2D 3D Standard			EPA Program CWA SOWA RCRA State NM CO UT AZ TX			
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method					Remarks	
15:05	7-27-22	S	1	CS-324	1	X						
15:10				CS-325	2							
15:14				CS-326	3							
15:19				CS-327	4							
15:23				CS-328	5							
15:27				CS-329	6							
15:32				CS-330	7							
15:36				CS-331	8							
15:42				CS-332	9							
15:49				CS-333	10							
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an eq temp above 0 but less than 6°C on subsequent days.						
Surrendered by: Kholeton Sanchez Relinquished by: (Signature) <i>[Signature]</i> Date: 7-29-22 Time: 14:27 Relinquished by: (Signature) _____ Date: _____ Time: _____ Relinquished by: (Signature) _____ Date: _____ Time: _____						Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.												

Project Information

Chain of Custody

Page 2 of 4

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro				Bill To Attention: Address: City, State, Zip Phone: Email:				Lab Use Only Lab WOI# <u>E207203</u> Job Number <u>19034-0009</u> Analysis and Method				TAT 1D 2D 3D Standard *				EPA Program CWA SDWA RCRA * State NM CO UT AZ TX			
Report due by:										*									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks													
15:52	7-27-22	S	2	CS-334	11	X													
15:56				CS-335	12														
16:01				CS-336	13														
16:07				CS-337	14														
16:11				CS-338	15														
16:15				CS-339	16														
16:20				CS-340	17														
16:26				CS-341	18														
16:31				CS-342	19														
16:40				CS-343	20														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.									
Relinquished by: (Signature) <u>[Signature]</u> Date <u>7-29-22</u> Time <u>14:24</u>										Received by: (Signature) <u>[Signature]</u> Date <u>7/29/22</u> Time <u>14:30</u>									
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____									
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____									
Sample Matrix: S - Soil, <u>Sd</u> - Sedit, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 7/29/2022 6:35:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/29/22 14:30	Work Order ID: E207203
Phone: (575) 748-4217	Date Logged In: 07/29/22 14:55	Logged In By: Caitlin Christian
Email:	Due Date: 08/05/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project was separated into 2 reports due to amount of samples. Workorders are as follows: E207203 COC pg 1&2 of 4, E207204 COC pg 3&4 of 4.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207204

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/8/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207204
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/08/22 14:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-344	E207204-01A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-345	E207204-02A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-346	E207204-03A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-347	E207204-04A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-348	E207204-05A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-349	E207204-06A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-350	E207204-07A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-351	E207204-08A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-352	E207204-09A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-353	E207204-10A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-354	E207204-11A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-355	E207204-12A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-356	E207204-13A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-357	E207204-14A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-358	E207204-15A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-359	E207204-16A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.
CS-360	E207204-17A	Soil	07/27/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-344

E207204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	440	250	10	08/03/22	08/04/22	T17
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>						
		126 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	8190	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-345

E207204-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	1130	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-346

E207204-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	25.6	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	354	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-347

E207204-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	821	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-348

E207204-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	32.4	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	16700	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-349

E207204-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	1100	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-350

E207204-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	119	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	169	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	2030	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-351

E207204-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	713	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-352

E207204-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	2250	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-353

E207204-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	133	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-354

E207204-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	99.8	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-355

E207204-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		119 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	196	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-356

E207204-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	31.6	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	173	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-357

E207204-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	541	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-358

E207204-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	552	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-359

E207204-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	32.4	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	465	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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CS-360

E207204-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232058
Diesel Range Organics (C10-C28)	43.3	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	81.1	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232037
Chloride	2150	40.0	2	08/02/22	08/03/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232027-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.99		8.00		112		70-130		

LCS (2232027-BS1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	4.28	0.0250	5.00		85.6		70-130		
Ethylbenzene	4.23	0.0250	5.00		84.6		70-130		
Toluene	4.32	0.0250	5.00		86.4		70-130		
o-Xylene	4.36	0.0250	5.00		87.3		70-130		
p,m-Xylene	8.57	0.0500	10.0		85.7		70-130		
Total Xylenes	12.9	0.0250	15.0		86.2		70-130		
Surrogate: 4-Bromochlorobenzene-PID	9.02		8.00		113		70-130		

Matrix Spike (2232027-MS1)

Source: E207204-05

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	4.34	0.0250	5.00	ND	86.7		54-133		
Ethylbenzene	4.29	0.0250	5.00	ND	85.9		61-133		
Toluene	4.39	0.0250	5.00	ND	87.8		61-130		
o-Xylene	4.43	0.0250	5.00	ND	88.6		63-131		
p,m-Xylene	8.70	0.0500	10.0	ND	87.0		63-131		
Total Xylenes	13.1	0.0250	15.0	ND	87.6		63-131		
Surrogate: 4-Bromochlorobenzene-PID	9.09		8.00		114		70-130		

Matrix Spike Dup (2232027-MSD1)

Source: E207204-05

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	4.47	0.0250	5.00	ND	89.4		54-133	3.02	20
Ethylbenzene	4.42	0.0250	5.00	ND	88.3		61-133	2.85	20
Toluene	4.53	0.0250	5.00	ND	90.7		61-130	3.26	20
o-Xylene	4.56	0.0250	5.00	ND	91.2		63-131	2.87	20
p,m-Xylene	8.95	0.0500	10.0	ND	89.5		63-131	2.83	20
Total Xylenes	13.5	0.0250	15.0	ND	90.1		63-131	2.84	20
Surrogate: 4-Bromochlorobenzene-PID	8.87		8.00		111		70-130		



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232027-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.46		8.00		106	70-130			

LCS (2232027-BS2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.72		8.00		109	70-130			

Matrix Spike (2232027-MS2)

Source: E207204-05

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.91		8.00		111	70-130			

Matrix Spike Dup (2232027-MSD2)

Source: E207204-05

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	98.9	70-130	3.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.85		8.00		111	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232058-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			

LCS (2232058-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	295	25.0	250		118	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			

Matrix Spike (2232058-MS1)

Source: E207204-03

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	294	25.0	250	25.6	107	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike Dup (2232058-MSD1)

Source: E207204-03

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	284	25.0	250	25.6	103	38-132	3.68	20	
Surrogate: n-Nonane	56.6		50.0		113	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:19:46PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232037-BLK1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	ND	20.0							
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LCS (2232037-BS1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	229	20.0	250		91.7	90-110			
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Matrix Spike (2232037-MS1)

Source: E207204-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	8050	200	250	8190	NR	80-120			M2
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Matrix Spike Dup (2232037-MSD1)

Source: E207204-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	8710	200	250	8190	208	80-120	7.91	20	M2
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 14:19
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

T17 The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 3 of 4

Client: FOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WOH# F 207204 Job Number 19034-0009		TAT 1D 2D 3D Standard x		EPA Program CWA SDWA RCRA x	
Report due by:				Analysis and Method		State		NM CO UT AZ TX x	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOL			Remarks
16:44	7-27-22	S	1	CS-344	1	X			
16:50				CS-345	2				
16:53				CS-346	3				
16:57				CS-347	4				
16:59				CS-348	5				
17:06				CS-349	6				
17:12				CS-350	7				
17:18				CS-351	8				
17:24				CS-352	9				
17:31				CS-353	10				
Additional Instructions:									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sample requiring special preservation must be received on or the day they are sampled or received packed in ice or on dry ice below 0 but less than 6°C on subsequent days.			
Sampled by: Kheilton Sanchez									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
		7-28-22	14:24			7/29/22	14:30	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
								AVG Temp °C 4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.									

Project Information

Chain of Custody

Page 4 of 4

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# <u>F207204</u> Job Number <u>19034-0009</u>		TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA State NM CO UT AZ TX		
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method						Remarks
17:35	7-29-22	S	1	CS-354	11	BDGC						X
17:38				CS-355	12							
17:42				CS-356	13							
17:48				CS-357	14							
17:53				CS-358	15							
17:59				CS-359	16							
18:03				CS-360	17							
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature) <u>[Signature]</u> Date <u>7-29-22</u> Time <u>14:04</u>						Received by: (Signature) <u>[Signature]</u> Date <u>7/29/22</u> Time <u>14:30</u>						
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.												

Envirotech Analytical Laboratory

Printed: 7/29/2022 6:37:39PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/29/22 14:30	Work Order ID: E207204
Phone: (575) 748-4217	Date Logged In: 07/29/22 14:57	Logged In By: Caitlin Christian
Email:	Due Date: 08/05/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project was seperated into 2 reports due to amount of samples. Workorders are as follows: E207203 COC pg 1&2 of 4, E207204 COC pg 3&4 of 4.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207205

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/8/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207205
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/08/22 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-361	E207205-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-362	E207205-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-363	E207205-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-364	E207205-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-365	E207205-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-366	E207205-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-367	E207205-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-368	E207205-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-369	E207205-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-370	E207205-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-371	E207205-11A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-372	E207205-12A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-373	E207205-13A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-374	E207205-14A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-375	E207205-15A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-376	E207205-16A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-377	E207205-17A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-378	E207205-18A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-379	E207205-19A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-380	E207205-20A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-361

E207205-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/03/22
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22
Toluene	ND	0.0250	1	08/01/22	08/03/22
o-Xylene	ND	0.0250	1	08/01/22	08/03/22
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22

<i>Surrogate: Bromofluorobenzene</i>	99.1 %	70-130		08/01/22	08/03/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.1 %	70-130		08/01/22	08/03/22
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/01/22	08/03/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22
<i>Surrogate: Bromofluorobenzene</i>	99.1 %	70-130		08/01/22	08/03/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.1 %	70-130		08/01/22	08/03/22
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/01/22	08/03/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22
<i>Surrogate: n-Nonane</i>	93.4 %	50-200		08/03/22	08/04/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2232038
Chloride	473	20.0	1	08/02/22	08/03/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-362

E207205-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		90.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	657	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-363

E207205-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		92.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	645	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-364

E207205-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	08/01/22	08/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	174	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	167	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	362	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-365

E207205-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	209	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	166	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		98.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	425	200	10	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-366

E207205-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	278	250	10	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	460	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-367

E207205-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	149	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	156	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		95.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	1070	100	5	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-368

E207205-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	197	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	198	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	1580	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-369

E207205-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	163	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	169	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	6090	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-370

E207205-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	198	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	241	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	8800	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-371

E207205-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	429	250	10	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	4170	100	5	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-372

E207205-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	193	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	231	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	916	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-373

E207205-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	29200	2000	100	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-374

E207205-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	59.1	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-375

E207205-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	49.3	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	257	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-376

E207205-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	31.6	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	2930	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-377

E207205-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	31.3	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	1960	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-378

E207205-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	35.0	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	479	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-379

E207205-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	33.8	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	5060	400	20	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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CS-380

E207205-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Benzene	ND	0.0250	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/01/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/01/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232057
Diesel Range Organics (C10-C28)	97.1	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	60.9	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232038
Chloride	1030	20.0	1	08/02/22	08/03/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232028-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2232028-BS1)

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	2.41	0.0250	2.50		96.3	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.3	70-130			
Toluene	2.38	0.0250	2.50		95.2	70-130			
o-Xylene	2.32	0.0250	2.50		92.8	70-130			
p,m-Xylene	4.61	0.0500	5.00		92.2	70-130			
Total Xylenes	6.93	0.0250	7.50		92.4	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike (2232028-MS1)

Source: E207205-01

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	2.46	0.0250	2.50	ND	98.5	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.43	0.0250	2.50	ND	97.2	48-130			
o-Xylene	2.35	0.0250	2.50	ND	94.2	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.2	43-135			
Total Xylenes	7.02	0.0250	7.50	ND	93.5	43-135			
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2232028-MSD1)

Source: E207205-01

Prepared: 08/01/22 Analyzed: 08/03/22

Benzene	2.43	0.0250	2.50	ND	97.0	48-131	1.47	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	0.380	27	
Toluene	2.42	0.0250	2.50	ND	96.6	48-130	0.598	24	
o-Xylene	2.33	0.0250	2.50	ND	93.3	43-135	0.939	27	
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135	0.215	27	
Total Xylenes	6.98	0.0250	7.50	ND	93.1	43-135	0.457	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232028-BLK1)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2232028-BS2)

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2232028-MS2)

Source: E207205-01

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

Matrix Spike Dup (2232028-MSD2)

Source: E207205-01

Prepared: 08/01/22 Analyzed: 08/03/22

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	2.56	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232057-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			

LCS (2232057-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	206	25.0	250		82.2	38-132			
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			

Matrix Spike (2232057-MS1)

Source: E207205-05

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	435	50.0	250	209	90.0	38-132			
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			

Matrix Spike Dup (2232057-MSD1)

Source: E207205-05

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	510	50.0	250	209	120	38-132	16.0	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:26:48PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232038-BLK1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride ND 20.0

LCS (2232038-BS1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 250 20.0 250 100 90-110

Matrix Spike (2232038-MS1)

Source: E207205-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 751 20.0 250 473 111 80-120

Matrix Spike Dup (2232038-MSD1)

Source: E207205-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 712 20.0 250 473 95.6 80-120 5.29 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 14:26
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 11

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# F207205 Job Number 19034-0009		TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA x State NM CO UT AZ TX		
Time Sampled	Date Sampled	Matrix	% of Container	Sample ID	Lab Number	Analysis and Method						Remarks
8:32	7-28-22	S	1	CS-361	1	3D GOC						
8:40				CS-362	2							
8:44				CS-363	3							
8:49				CS-364	4							
8:55				CS-365	5							
8:59				CS-366	6							
9:04				CS-367	7							
9:10				CS-368	8							
9:16				CS-369	9							
9:21				CS-370	10							
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on or before the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only				
<i>[Signature]</i>		7-29-22	14:27	<i>Greg Crabtree</i>		7/29/22	14:30	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3				
								AVG Temp °C 4				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.												

Project Information

Chain of Custody

Page 2 of 11

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro				Bill To Attention: Address: City, State, Zip Phone: Email:				Lab Use Only Lab WO# F207205 Job Number 19034-0009				TAT 1D 2D 3D Standard x				EPA Program CWA SDWA	
Report due by:										Analysis and Method				RCRA x			
										State				NM CO UT AZ TX			
										*				Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
9:29	7-28-22	S	2	CS-371	11	X											
9:36				CS-372	12												
9:40				CS-373	13												
10:14				CS-374	14												
10:20				CS-375	15												
10:25				CS-376	16												
10:29				CS-377	17												
10:35				CS-378	18												
10:41				CS-379	19												
10:44				CS-380	20												
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Sampled by: <i>Cherlin Sanchez</i>				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) <i>[Signature]</i>		Date 7-29-22		Time 14:27		Received by: (Signature) <i>Greg Crabtree</i>		Date 7/29/22		Time 14:30		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 7/29/2022 6:44:15PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 07/29/22 14:30 Work Order ID: E207205
Phone: (575) 748-4217 Date Logged In: 07/29/22 15:00 Logged In By: Caitlin Christian
Email: Due Date: 08/05/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 6 reports due to amount of samples. Workorders are as follows: E207205 COC pg 1&2 of 11,E207206 COC pg 3&4 of 11,E207207 COC pg 5&6 of 11, E207208 COC pg 7&8 of 11,E207209 COC pg 9&10 of 11,E207210 COC pg 11 of 11.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207206

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/8/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207206
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/08/22 14:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-381	E207206-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-382	E207206-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-383	E207206-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-384	E207206-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-385	E207206-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-386	E207206-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-387	E207206-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-388	E207206-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-389	E207206-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-390	E207206-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-391	E207206-11A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-392	E207206-12A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-393	E207206-13A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-394	E207206-14A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-395	E207206-15A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-396	E207206-16A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-397	E207206-17A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-398	E207206-18A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-399	E207206-19A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-400	E207206-20A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-381

E207206-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22
Toluene	ND	0.0250	1	08/02/22	08/04/22
o-Xylene	ND	0.0250	1	08/02/22	08/04/22
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22

<i>Surrogate: Bromofluorobenzene</i>	101 %	70-130		08/02/22	08/04/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		08/02/22	08/04/22
<i>Surrogate: Toluene-d8</i>	103 %	70-130		08/02/22	08/04/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22
<i>Surrogate: Bromofluorobenzene</i>	101 %	70-130		08/02/22	08/04/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		08/02/22	08/04/22
<i>Surrogate: Toluene-d8</i>	103 %	70-130		08/02/22	08/04/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	266	250	10	08/03/22	08/04/22
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/04/22
<i>Surrogate: n-Nonane</i>	81.2 %	50-200		08/03/22	08/04/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2232039
Chloride	1680	20.0	1	08/02/22	08/03/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-382

E207206-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	2950	500	20	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	1670	1000	20	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		82.5 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	2280	40.0	2	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-383

E207206-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	1390	500	20	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		86.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	ND	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-384

E207206-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		96.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	123	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-385

E207206-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		95.1 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	153	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-386

E207206-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		91.6 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	ND	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-387

E207206-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	3810	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-388

E207206-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	4600	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-389

E207206-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	32.0	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	1340	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-390

E207206-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	364	125	5	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	454	250	5	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	1950	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-391

E207206-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	695	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		88.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	721	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-392

E207206-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		90.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	2470	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-393

E207206-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	1130	250	10	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	585	500	10	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		90.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	3190	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-394

E207206-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	1150	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	98.2	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-395

E207206-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/04/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/04/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		98.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	347	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-396

E207206-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		95.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	4490	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-397

E207206-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		97.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	173	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-398

E207206-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	690	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-399

E207206-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	659	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		81.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	ND	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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CS-400

E207206-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232056
Diesel Range Organics (C10-C28)	230	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	188	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		92.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232039
Chloride	2500	40.0	2	08/02/22	08/04/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232029-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS (2232029-BS1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	2.36	0.0250	2.50		94.6	70-130			
Ethylbenzene	2.45	0.0250	2.50		98.1	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.29	0.0250	2.50		91.6	70-130			
p,m-Xylene	4.55	0.0500	5.00		90.9	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2232029-MS1)

Source: E207206-02

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.4	43-135			
p,m-Xylene	4.83	0.0500	5.00	ND	96.5	43-135			
Total Xylenes	7.24	0.0250	7.50	ND	96.5	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2232029-MSD1)

Source: E207206-02

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	2.63	0.0250	2.50	ND	105	48-131	3.65	23	
Ethylbenzene	2.64	0.0250	2.50	ND	105	45-135	1.28	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	1.40	24	
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135	1.73	27	
p,m-Xylene	4.92	0.0500	5.00	ND	98.4	43-135	1.96	27	
Total Xylenes	7.37	0.0250	7.50	ND	98.3	43-135	1.88	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232029-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS (2232029-BS2)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.7	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2232029-MS2)

Source: E207206-02

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	61.4	20.0	50.0	ND	123	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2232029-MSD2)

Source: E207206-02

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	71.6	20.0	50.0	ND	143	70-130	15.4	20	M1
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232056-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.3	50-200			

LCS (2232056-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	231	25.0	250		92.5	38-132			
Surrogate: n-Nonane	46.7		50.0		93.4	50-200			

Matrix Spike (2232056-MS1)

Source: E207206-05

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132			
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			

Matrix Spike Dup (2232056-MSD1)

Source: E207206-05

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.4	38-132	2.56	20	
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 2:35:44PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232039-BLK1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride ND 20.0

LCS (2232039-BS1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 249 20.0 250 99.8 90-110

Matrix Spike (2232039-MS1)

Source: E207206-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 1520 20.0 250 1680 NR 80-120 M2

Matrix Spike Dup (2232039-MSD1)

Source: E207206-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride 1840 20.0 250 1680 61.2 80-120 19.0 20 M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 14:35
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- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

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Client: EOG		Bill To		Lab Use Only		TAT			EPA Program			
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Greg Crabtree		Address:		Footprint	19034-0009				x			
Address:		City, State, Zip		Analysis and Method								RCRA
City, State, Zip		Phone:									State	
Phone:		Email:									NM	
Email: All Enviro											x	
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number						Remarks	
10:49	7-28-22	S	7	CS-381	1	X						
10:55				CS-382	2							
10:58				CS-383	3							
11:04				CS-384	4							
11:09				CS-385	5							
11:13				CS-386	6							
11:17				CS-387	7							
11:20				CS-388	8							
11:24				CS-389	9							
11:29				CS-390	10							
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at an avg temp above 0 but less than 6°C on subsequent days.						
Sampled by: Kholston Sanchez												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only						
<i>[Signature]</i>	7-29-22	14:27	<i>[Signature]</i>	7/29/22	14:30	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.												

Project Information

Chain of Custody

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Client: FOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# E207200 Job Number 19034-0009		TAT 1D 2D 3D Standard x		EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
Report due by:				Analysis and Method				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number				
11:33	7-28-22	S	2	CS-391	11	X			
11:37				CS-392	12				
11:42				CS-393	13				
11:46				CS-394	14				
11:52				CS-395	15				
11:57				CS-396	16				
12:01				CS-397	17				
12:06				CS-398	18				
12:10				CS-399	19				
12:15				CS-400	20				
Additional Instructions:									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or wrapped/packed in ice at an avg temp above 0 but less than 6°C on subsequent days.			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<i>[Signature]</i>		7/29/22	14:24	<i>[Signature]</i>		7/29/22	14:30	Received on Ice: <input checked="" type="checkbox"/> Y / N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
								AVG Temp °C <u>4</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.									

Envirotech Analytical Laboratory

Printed: 7/29/2022 6:46:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/29/22 14:30	Work Order ID: E207206
Phone: (575) 748-4217	Date Logged In: 07/29/22 15:02	Logged In By: Caitlin Christian
Email:	Due Date: 08/05/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier: Kholeton Sanchez

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Project has been separated into 6 reports due to amount of samples. Workorders are as follows:
 E207205 COC pg 1&2 of 11,E207206 COC pg 3&4 of 11,E207207 COC pg 5&6 of 11, E207208 COC pg 7&8 of 11,E207209 COC pg 9&10 of 11,E207210 COC pg 11 of 11.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207207

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/9/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/9/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207207
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/09/22 13:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-401	E207207-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-402	E207207-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-403	E207207-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-404	E207207-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-405	E207207-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-406	E207207-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-407	E207207-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-408	E207207-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-409	E207207-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-410	E207207-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-411	E207207-11A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-412	E207207-12A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-413	E207207-13A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-414	E207207-14A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-415	E207207-15A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-416	E207207-16A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-417	E207207-17A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-418	E207207-18A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-419	E207207-19A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-420	E207207-20A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-401

E207207-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	73.5	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	88.8	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>						
		67.3 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	968	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-402

E207207-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	80.0	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	64.8	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>		63.4 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	926	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-403

E207207-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		79.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	ND	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-404

E207207-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	212	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	206	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>		64.8 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	1480	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-405

E207207-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		77.2 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	90.2	20.0	1	08/02/22	08/03/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-406

E207207-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		74.1 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	21.9	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-407

E207207-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	838	500	20	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		70.2 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	2090	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-408

E207207-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		75.4 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	7130	100	5	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-409

E207207-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		69.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	52.2	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-410

E207207-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	4250	1250	50	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	2580	2500	50	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	4590	100	5	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-411

E207207-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	34.0	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		73.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	5700	100	5	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-412

E207207-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	66.2	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		79.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	1620	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-413

E207207-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	3050	500	20	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	2130	1000	20	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		90.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	8160	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-414

E207207-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>		75.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	11400	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-415

E207207-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
<i>Surrogate: n-Nonane</i>						
		79.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	1940	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-416

E207207-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		83.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	674	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-417

E207207-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		76.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	2540	20.0	1	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-418

E207207-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	321	250	10	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		79.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	5160	400	20	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-419

E207207-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	2000	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	1070	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		79.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	2690	40.0	2	08/02/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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CS-420

E207207-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	0.0305	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	0.0305	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232055
Diesel Range Organics (C10-C28)	8580	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	4570	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232040
Chloride	2390	100	5	08/02/22	08/04/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232030-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.83		8.00		110	70-130			

LCS (2232030-BS1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.1	70-130			
Toluene	4.77	0.0250	5.00		95.3	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.95		8.00		112	70-130			

Matrix Spike (2232030-MS1)

Source: E207207-03

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	4.68	0.0250	5.00	ND	93.6	54-133			
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133			
Toluene	4.72	0.0250	5.00	ND	94.4	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	63-131			
p,m-Xylene	9.37	0.0500	10.0	ND	93.7	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	9.11		8.00		114	70-130			

Matrix Spike Dup (2232030-MSD1)

Source: E207207-03

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	4.75	0.0250	5.00	ND	95.0	54-133	1.48	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133	1.79	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	1.53	20	
o-Xylene	4.87	0.0250	5.00	ND	97.3	63-131	1.91	20	
p,m-Xylene	9.55	0.0500	10.0	ND	95.5	63-131	1.89	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	1.90	20	
Surrogate: 4-Bromochlorobenzene-PID	9.14		8.00		114	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232030-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.74		8.00		109	70-130			

LCS (2232030-BS2)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			

Matrix Spike (2232030-MS2)

Source: E207207-03

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.76		8.00		109	70-130			

Matrix Spike Dup (2232030-MSD2)

Source: E207207-03

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	1.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.78		8.00		110	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232055-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	38.6		50.0		77.3	50-200			

LCS (2232055-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
Surrogate: <i>n</i> -Nonane	34.2		50.0		68.4	50-200			

Matrix Spike (2232055-MS1)

Source: E207207-04

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	348	25.0	250	212	54.5	38-132			
Surrogate: <i>n</i> -Nonane	31.4		50.0		62.8	50-200			

Matrix Spike Dup (2232055-MSD1)

Source: E207207-04

Prepared: 08/03/22 Analyzed: 08/04/22

Diesel Range Organics (C10-C28)	394	25.0	250	212	72.9	38-132	12.4	20	
Surrogate: <i>n</i> -Nonane	37.8		50.0		75.6	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 1:08:29PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232040-BLK1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	ND	20.0							
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LCS (2232040-BS1)

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	247	20.0	250		98.9	90-110			
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Matrix Spike (2232040-MS1)

Source: E207207-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	1090	20.0	250	968	49.3	80-120			M2
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Matrix Spike Dup (2232040-MSD1)

Source: E207207-01

Prepared: 08/02/22 Analyzed: 08/03/22

Chloride	1220	20.0	250	968	102	80-120	11.3	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/09/22 13:08
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 5 of 11

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro				Bill To Attention: Address: City, State, Zip Phone: Email:				Lab Use Only Lab WOF: F 207207 Job Number: 19034-0009				TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA State NM CO UT AZ TX x			
Report due by:				Analysis and Method				Remarks											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
12:19	7-28-22	S	1	CS-401	1														
12:22				CS-402	2														
12:26				CS-403	3														
12:04				CS-404	4														
13:09				CS-405	5														
13:12				CS-406	6														
13:16				CS-407	7														
13:22				CS-408	8														
13:30				CS-409	9														
13:34				CS-410	10														
Additional Instructions:																			
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Relinquished by: (Signature) <i>[Signature]</i> Date: 7-29-22 Time: 14:24 Received by: (Signature) <i>[Signature]</i> Date: 7/29/22 Time: 14:30																			
Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Date: _____ Time: _____																			
Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Date: _____ Time: _____																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 6 of 11

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WOF: F207207 Job Number: 19034-0009		TAT 1D 2D 3D Standard x			EPA Program CWA SDWA RCRA x	
Report due by:				Analysis and Method		State			NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks				
13:40	7-28-22	S	2	CS-411	11	BDGOL X				
13:45				CS-412	12					
13:49				CS-413	13					
13:53				CS-414	14					
13:59				CS-415	15					
14:04				CS-416	16					
14:08				CS-417	17					
14:11				CS-418	18					
14:15				CS-419	19					
14:19				CS-420	20					
Additional Instructions:										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be resealed on or the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
Date or time of collection is considered fraud and may be grounds for legal action: <u>7/29/22</u> <u>14:24</u> <u>Caith Chant</u> <u>7/29/22</u> <u>14:30</u>						Serialized by: <u>Kholeton Sanchez</u>				
Relinquished by: (Signature) <u>[Signature]</u>		Date	Time	Received by: (Signature) <u>[Signature]</u>		Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, A - Aquifer, O - Other						Container Type: g - glass, p - poly/plastic, <u>ag</u> - amber glass, v - VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.										

Envirotech Analytical Laboratory

Printed: 8/1/2022 10:28:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 07/29/22 14:30 Work Order ID: E207207
Phone: (575) 748-4217 Date Logged In: 07/29/22 15:06 Logged In By: Caitlin Christian
Email: Due Date: 08/05/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207208

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/9/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/9/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207208
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
08/09/22 09:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-421	E207208-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-422	E207208-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-423	E207208-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-424	E207208-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-425	E207208-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-426	E207208-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-427	E207208-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-428	E207208-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-429	E207208-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-430	E207208-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-431	E207208-11A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-432	E207208-12A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-433	E207208-13A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-434	E207208-14A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-435	E207208-15A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-436	E207208-16A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-437	E207208-17A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-438	E207208-18A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-439	E207208-19A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-440	E207208-20A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-421

E207208-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	4780	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	4140	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		89.1 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	9600	400	20	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-422

E207208-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	160	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	151	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		95.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	19900	1000	50	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-423

E207208-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	634	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-424

E207208-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	2830	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	1940	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		95.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	1390	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-425

E207208-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	0.0653	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	0.0901	0.0500	1	08/02/22	08/05/22	
Total Xylenes	0.155	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	11600	1250	50	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	7710	2500	50	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		86.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	8890	400	20	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-426

E207208-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	2390	1250	50	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	2520	2500	50	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		95.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	5390	100	5	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-427

E207208-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	190	125	5	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	250	5	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		98.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	23900	1000	50	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-428

E207208-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	4270	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-429

E207208-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	377	250	10	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	500	10	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	20200	1000	50	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-430

E207208-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	0.0860	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	0.242	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	0.354	0.0500	1	08/02/22	08/05/22	
Total Xylenes	0.596	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	6950	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	3950	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		89.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	9720	400	20	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-431

E207208-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	1460	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	2130	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		88.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	12500	400	20	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-432

E207208-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	208	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	172	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	9460	200	10	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-433

E207208-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	1070	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-434

E207208-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	47.2	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		96.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	670	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-435

E207208-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	821	250	10	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	558	500	10	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		94.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	9790	200	10	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-436

E207208-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	698	250	10	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	607	500	10	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		92.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	4420	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-437

E207208-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.4 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	491	125	5	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	299	250	5	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	3510	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-438

E207208-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	161	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	102	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		95.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	195	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-439

E207208-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	118	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	182	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>		80.5 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	2320	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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CS-440

E207208-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232054
Diesel Range Organics (C10-C28)	27.4	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>		74.1 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232062
Chloride	3050	40.0	2	08/03/22	08/05/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232031-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS (2232031-BS1)

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	4.95	0.0250	5.00		98.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	9.76	0.0500	10.0		97.6	70-130			
Total Xylenes	14.7	0.0250	15.0		97.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

Matrix Spike (2232031-MS1)

Source: E207208-01

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.19	0.0250	5.00	ND	104	61-130			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2232031-MSD1)

Source: E207208-01

Prepared: 08/02/22 Analyzed: 08/04/22

Benzene	5.16	0.0250	5.00	ND	103	54-133	0.545	20	
Ethylbenzene	5.09	0.0250	5.00	ND	102	61-133	0.712	20	
Toluene	5.22	0.0250	5.00	ND	104	61-130	0.646	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63-131	0.763	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.775	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	0.771	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232031-BLK1)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

LCS (2232031-BS2)

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2232031-MS2)

Source: E207208-01

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2232031-MSD2)

Source: E207208-01

Prepared: 08/02/22 Analyzed: 08/04/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	2.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232054-BLK1)

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			

LCS (2232054-BS1)

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132			
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			

Matrix Spike (2232054-MS1)

Source: E207208-06

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	2520	1250	250	2390	52.9	38-132			
Surrogate: n-Nonane	43.2		50.0		86.5	50-200			

Matrix Spike Dup (2232054-MSD1)

Source: E207208-06

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	2630	1250	250	2390	95.5	38-132	4.13	20	
Surrogate: n-Nonane	41.7		50.0		83.4	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:55:54AM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232062-BLK1)

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride ND 20.0

LCS (2232062-BS1)

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride 255 20.0 250 102 90-110

LCS Dup (2232062-BSD1)

Prepared: 08/03/22 Analyzed: 08/08/22

Chloride 252 20.0 250 101 90-110 1.03 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/09/22 09:55
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

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Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# Fast208 Job Number 19034-0009		TAT 1D 2D 3D Standard		EPA Program CWA SDWA RCRA	
Report due by:				Analysis and Method		State NM CO UT AZ TX		Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number				
14:24	7-28-22	S	1	CS-421	1	X			
14:28				CS-422	2				
14:31				CS-423	3				
14:36				CS-424	4				
14:40				CS-425	5				
14:46				CS-426	6				
14:57				CS-427	7				
14:54				CS-428	8				
14:59				CS-429	9				
15:03				CS-430	10				
Additional Instructions:									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) <i>[Signature]</i> Date: 7-29-22 Time: 14:24						Received by: (Signature) <i>[Signature]</i> Date: 7/29/22 Time: 14:30			
Relinquished by: (Signature) _____ Date: _____ Time: _____						Received by: (Signature) _____ Date: _____ Time: _____			
Relinquished by: (Signature) _____ Date: _____ Time: _____						Received by: (Signature) _____ Date: _____ Time: _____			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aquifer, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.									

Project Information

Chain of Custody

Page 8 of 11

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program		
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Greg Crabtree		Address:		E207208		19034-0009		x			
Address:		City, State, Zip		Analysis and Method							
City, State, Zip		Phone:		NM CO UT AZ TX x							
Phone:		Email:									
Email: All Enviro		Report due by:		Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number						
15:06	7-28-22	S	2	CS-431	11	X BDG OC					
15:10				CS-432	12						
15:14				CS-433	13						
15:15				CS-434	14						
15:23				CS-435	15						
15:30				CS-436	16						
15:34				CS-437	17						
15:39				CS-438	18						
15:42				CS-439	19						
15:46				CS-440	20						
Additional Instructions:											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally misstating the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be returned on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature) <i>[Signature]</i>						Received on ice: <input checked="" type="checkbox"/> Y / N					
Date: 7-29-22 Time: 14:24						Sampled by: Kholeton Sanchez Date: 7/28/22 Time: 14:30					
Relinquished by: (Signature) <i>[Signature]</i>						T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)						AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aquifer, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 8/1/2022 10:30:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources
 Phone: (575) 748-4217
 Email:

Date Received: 07/29/22 14:30
 Date Logged In: 07/29/22 15:08
 Due Date: 08/05/22 17:00 (5 day TAT)

Work Order ID: E207208
 Logged In By: Caitlin Christian

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207209

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/9/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/9/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207209
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/09/22 09:58
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-441	E207209-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-442	E207209-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-443	E207209-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-444	E207209-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-445	E207209-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-446	E207209-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-447	E207209-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-448	E207209-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-449	E207209-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-450	E207209-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-451	E207209-11A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-452	E207209-12A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-453	E207209-13A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-454	E207209-14A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-455	E207209-15A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-456	E207209-16A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-457	E207209-17A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-458	E207209-18A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-459	E207209-19A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-460	E207209-20A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-441

E207209-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	93.8 %	70-130		08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	93.8 %	70-130		08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	1200	500	20	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	1000	20	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>	82.6 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2232061
Chloride	2160	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-442

E207209-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	35.2	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-443

E207209-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		82.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	103	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-444

E207209-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		86.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	101	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-445

E207209-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		75.9 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	181	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-446

E207209-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	177	25.0	1	08/03/22	08/08/22	
Oil Range Organics (C28-C36)	283	50.0	1	08/03/22	08/08/22	
<i>Surrogate: n-Nonane</i>		69.7 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	192	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-447

E207209-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		80.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	517	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-448

E207209-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		80.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	ND	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-449

E207209-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	50.0	2	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	361	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-450

E207209-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		87.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	100	20.0	1	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-451

E207209-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	29.8	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	52.2	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	85.8	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-452

E207209-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		85.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	ND	40.0	2	08/03/22	08/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-453

E207209-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		90.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	135	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-454

E207209-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		82.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	1690	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-455

E207209-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		90.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	198	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-456

E207209-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		89.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	323	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-457

E207209-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	226	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-458

E207209-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		78.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	198	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-459

E207209-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		84.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	25.6	20.0	1	08/03/22	08/06/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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CS-460

E207209-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	08/02/22	08/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/02/22	08/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	25.0	25.0	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/05/22	
<i>Surrogate: n-Nonane</i>		82.5 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	ND	20.0	1	08/03/22	08/06/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232032-BLK1)

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2232032-BS1)

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	2.30	0.0250	2.50		91.8	70-130			
Ethylbenzene	2.35	0.0250	2.50		94.2	70-130			
Toluene	2.29	0.0250	2.50		91.7	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.39	0.0500	5.00		87.8	70-130			
Total Xylenes	6.60	0.0250	7.50		88.0	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2232032-MS1)

Source: E207209-05

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	2.30	0.0250	2.50	ND	91.9	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135			
Toluene	2.27	0.0250	2.50	ND	90.9	48-130			
o-Xylene	2.21	0.0250	2.50	ND	88.3	43-135			
p,m-Xylene	4.35	0.0500	5.00	ND	86.9	43-135			
Total Xylenes	6.56	0.0250	7.50	ND	87.4	43-135			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2232032-MSD1)

Source: E207209-05

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	4.01	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135	6.07	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	6.31	24	
o-Xylene	2.32	0.0250	2.50	ND	92.9	43-135	5.08	27	
p,m-Xylene	4.61	0.0500	5.00	ND	92.1	43-135	5.80	27	
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135	5.55	27	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232032-BLK1)

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2232032-BS2)

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2232032-MS2)

Source: E207209-05

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike Dup (2232032-MSD2)

Source: E207209-05

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	1.77	20	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232053-BLK1)

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.9	50-200			

LCS (2232053-BS1)

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	34.7		50.0		69.4	50-200			

Matrix Spike (2232053-MS1)

Source: E207209-05

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132			
Surrogate: n-Nonane	45.3		50.0		90.5	50-200			

Matrix Spike Dup (2232053-MSD1)

Source: E207209-05

Prepared: 08/03/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	0.0373	20	
Surrogate: n-Nonane	44.1		50.0		88.3	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/9/2022 9:58:57AM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232061-BLK1)

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride	ND	20.0							
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LCS (2232061-BS1)

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride	259	20.0	250		104	90-110			
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Matrix Spike (2232061-MS1)

Source: E207209-01

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride	2220	40.0	250	2160	23.6	80-120			M2
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Matrix Spike Dup (2232061-MSD1)

Source: E207209-01

Prepared: 08/03/22 Analyzed: 08/05/22

Chloride	2330	40.0	250	2160	68.4	80-120	4.91	20	M2
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/09/22 09:58
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

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Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WOH: E207209 Job Number: 19034-0009		TAT 1D 2D 3D Standard x			EPA Program CWA SDWA RCRA x		
Report due by:									State: NM CO UT AZ TX		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method					Remarks
15:50	7-28-22	S	1	CS-441	1	BD60C					
15:59				CS-442	2						
16:06				CS-443	3						
16:10				CS-444	4						
16:13				CS-445	5						
16:18				CS-446	6						
16:23				CS-447	7						
16:29				CS-448	8						
16:34				CS-449	9						
16:39				CS-450	10						
Additional Instructions: (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholston Sanchez Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for an the report.											
Relinquished by: (Signature) <i>[Signature]</i> Date: 7-29-22 Time: 14:24		Received by: (Signature) <i>[Signature]</i> Date: 7/29/22 Time: 14:30		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C: 4							

Project Information

Chain of Custody

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WOI# E207209 Job Number 19034-0009		TAT 1D 2D 3D Standard x			EPA Program CWA SDWA RCRA x State NM CO UT AZ TX		
Report due by:											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method					Remarks
16:42	7-28-22	S	2	CS-451	11	B0602					X
16:46				CS-452	12						
16:50				CS-453	13						
16:53				CS-454	14						
16:58				CS-455	15						
17:04				CS-456	16						
17:08				CS-457	17						
17:13				CS-458	18						
17:16				CS-459	19						
17:21				CS-460	20						
Additional Instructions:											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received, packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.					
Retrieved by: (Signature)		Date	Time	Retrieved by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Retrieved by: (Signature)		Date	Time	Retrieved by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>			
Retrieved by: (Signature)		Date	Time	Retrieved by: (Signature)		Date	Time	Sample Matrix: S - Soil, Sd - Solid Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 8/1/2022 10:33:40AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 07/29/22 14:30	Work Order ID: E207209
Phone: (575) 748-4217	Date Logged In: 07/29/22 15:09	Logged In By: Caitlin Christian
Email:	Due Date: 08/05/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E207210

Job Number: 19034-0009

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/8/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E207210
Date Received: 7/29/2022 2:30:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 2:30:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 15:53
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-461	E207210-01A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-462	E207210-02A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-463	E207210-03A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-464	E207210-04A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-465	E207210-05A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-466	E207210-06A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-467	E207210-07A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-468	E207210-08A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-469	E207210-09A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.
CS-470	E207210-10A	Soil	07/28/22	07/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-461

E207210-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	ND	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		92.2 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	30.3	20.0	1	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-462

E207210-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	ND	50.0	2	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	ND	100	2	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		96.6 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	136	20.0	1	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-463

E207210-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	46.8	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	90.2	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	492	40.0	2	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-464

E207210-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	2040	250	10	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	3450	500	10	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	230	40.0	2	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-465

E207210-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	269	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	528	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		85.1 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	237	20.0	1	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-466

E207210-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	94.1	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	212	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	687	40.0	2	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-467

E207210-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	73.4	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	185	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	397	20.0	1	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-468

E207210-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	ND	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	8960	200	10	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-469

E207210-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	31.6	25.0	1	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	1390	40.0	2	08/03/22	08/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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CS-470

E207210-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Benzene	ND	0.0250	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	454	50.0	2	08/04/22	08/05/22	
Oil Range Organics (C28-C36)	835	100	2	08/04/22	08/05/22	
<i>Surrogate: n-Nonane</i>		85.8 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2232063
Chloride	1270	20.0	1	08/03/22	08/04/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232033-BLK1)

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.70		8.00		109	70-130			

LCS (2232033-BS1)

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	4.24	0.0250	5.00		84.9	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.6	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.27	0.0250	5.00		85.3	70-130			
p,m-Xylene	8.36	0.0500	10.0		83.6	70-130			
Total Xylenes	12.6	0.0250	15.0		84.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.69		8.00		109	70-130			

LCS Dup (2232033-BSD1)

Prepared: 08/02/22 Analyzed: 08/05/22

Benzene	4.26	0.0250	5.00		85.1	70-130	0.304	20	
Ethylbenzene	4.18	0.0250	5.00		83.6	70-130	1.23	20	
Toluene	4.30	0.0250	5.00		86.0	70-130	0.199	20	
o-Xylene	4.31	0.0250	5.00		86.2	70-130	1.08	20	
p,m-Xylene	8.45	0.0500	10.0		84.5	70-130	1.07	20	
Total Xylenes	12.8	0.0250	15.0		85.1	70-130	1.07	20	
Surrogate: 4-Bromochlorobenzene-PID	8.81		8.00		110	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232033-BLK1)

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

LCS (2232033-BS2)

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			

LCS Dup (2232033-BSD2)

Prepared: 08/02/22 Analyzed: 08/05/22

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.4	70-130	1.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232052-BLK1)

Prepared: 08/04/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			

LCS (2232052-BS1)

Prepared: 08/04/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	248	25.0	250		99.3	38-132			
Surrogate: n-Nonane	44.0		50.0		87.9	50-200			

Matrix Spike (2232052-MS1)

Source: E207210-01

Prepared: 08/04/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

Matrix Spike Dup (2232052-MSD1)

Source: E207210-01

Prepared: 08/04/22 Analyzed: 08/05/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	8.00	20	
Surrogate: n-Nonane	45.9		50.0		91.7	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/8/2022 3:53:59PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2232063-BLK1)

Prepared: 08/03/22 Analyzed: 08/04/22

Chloride	ND	20.0							
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LCS (2232063-BS1)

Prepared: 08/03/22 Analyzed: 08/04/22

Chloride	245	20.0	250		98.1	90-110			
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Matrix Spike (2232063-MS1)

Source: E207210-01

Prepared: 08/03/22 Analyzed: 08/04/22

Chloride	281	20.0	250	30.3	100	80-120			
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Matrix Spike Dup (2232063-MSD1)

Source: E207210-01

Prepared: 08/03/22 Analyzed: 08/04/22

Chloride	285	20.0	250	30.3	102	80-120	1.51	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/08/22 15:53
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 11 of 11

Client: EOG		Bill To		Lab Use Only		TAT			EPA Program			
Project: Achen Frey DM #11		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Greg Crabtree		Address:		EOG 1210	19034-0009				x			
Address:		City, State, Zip		Analysis and Method							RCRA	
City, State, Zip		Phone:		BDGOC							State	
Phone:		Email:									NM	CO
Email: All Enviro											x	
Report due by:												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks						
17:26	7-28-22	S	1	ES-461	1	X						
17:30				CS-462	2							
17:34				CS-463	3							
17:36				CS-464	4							
17:40				CS-465	5							
17:44				CS-466	6							
17:50				CS-467	7							
17:54				CS-468	8							
17:59	I	I	I	CS-469	9	I						
18:04	I	I	I	CS-470	10	I						
Additional Instructions:												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are collected or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.						
Relinquished by: (Signature) <i>[Signature]</i>						Received on ice: <input checked="" type="checkbox"/> Y / N						
Date: 7-29-22 Time: 14:24						Relinquished by: (Signature) <i>[Signature]</i> Date: 7/29/22 Time: 14:30						
Relinquished by: (Signature)						T1 _____ T2 _____ T3 _____						
Relinquished by: (Signature)						AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, A - Aquifer, O - Other						Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for an the report.												

Envirotech Analytical Laboratory

Printed: 8/1/2022 10:36:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 07/29/22 14:30 Work Order ID: E207210
Phone: (575) 748-4217 Date Logged In: 07/29/22 15:11 Logged In By: Caitlin Christian
Email: Due Date: 08/05/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E208046

Job Number: 19034-0009

Received: 8/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/12/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/12/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E208046
Date Received: 8/5/2022 1:37:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2022 1:37:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/12/22 09:47
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-471	E208046-01A	Soil	08/02/22	08/05/22	Glass Jar, 2 oz.
CS-472	E208046-02A	Soil	08/02/22	08/05/22	Glass Jar, 2 oz.
CS-473	E208046-03A	Soil	08/02/22	08/05/22	Glass Jar, 4 oz.
CS-474	E208046-04A	Soil	08/02/22	08/05/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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CS-471

E208046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2233010
Benzene	ND	0.0250	1	08/08/22	08/10/22
Ethylbenzene	ND	0.0250	1	08/08/22	08/10/22
Toluene	ND	0.0250	1	08/08/22	08/10/22
o-Xylene	ND	0.0250	1	08/08/22	08/10/22
p,m-Xylene	ND	0.0500	1	08/08/22	08/10/22
Total Xylenes	ND	0.0250	1	08/08/22	08/10/22

<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		08/08/22	08/10/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.2 %	70-130		08/08/22	08/10/22
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		08/08/22	08/10/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2233010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/10/22
<i>Surrogate: Bromofluorobenzene</i>	97.1 %	70-130		08/08/22	08/10/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.2 %	70-130		08/08/22	08/10/22
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		08/08/22	08/10/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2233028
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/22	08/09/22
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/22	08/09/22
<i>Surrogate: n-Nonane</i>	77.9 %	50-200		08/09/22	08/09/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2233004
Chloride	3970	40.0	2	08/08/22	08/09/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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CS-472

E208046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Benzene	ND	0.0250	1	08/08/22	08/10/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/10/22	
Toluene	ND	0.0250	1	08/08/22	08/10/22	
o-Xylene	ND	0.0250	1	08/08/22	08/10/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/10/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		97.1 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		97.1 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2233028
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/22	08/09/22	
<i>Surrogate: n-Nonane</i>		78.9 %	50-200	08/09/22	08/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2233004
Chloride	563	20.0	1	08/08/22	08/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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CS-473

E208046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Benzene	ND	0.0250	1	08/08/22	08/10/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/10/22	
Toluene	ND	0.0250	1	08/08/22	08/10/22	
o-Xylene	ND	0.0250	1	08/08/22	08/10/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/10/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2233028
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/22	08/09/22	
<i>Surrogate: n-Nonane</i>		74.9 %	50-200	08/09/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2233004
Chloride	580	20.0	1	08/08/22	08/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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CS-474

E208046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Benzene	ND	0.0250	1	08/08/22	08/10/22	
Ethylbenzene	ND	0.0250	1	08/08/22	08/10/22	
Toluene	ND	0.0250	1	08/08/22	08/10/22	
o-Xylene	ND	0.0250	1	08/08/22	08/10/22	
p,m-Xylene	ND	0.0500	1	08/08/22	08/10/22	
Total Xylenes	ND	0.0250	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2233010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/22	08/10/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/08/22	08/10/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/22	08/10/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2233028
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/22	08/09/22	
<i>Surrogate: n-Nonane</i>		76.6 %	50-200	08/09/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2233004
Chloride	1030	40.0	2	08/08/22	08/09/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2233010-BLK1)

Prepared: 08/08/22 Analyzed: 08/10/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

LCS (2233010-BS1)

Prepared: 08/08/22 Analyzed: 08/10/22

Benzene	2.18	0.0250	2.50		87.1	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.2	70-130			
Toluene	2.14	0.0250	2.50		85.6	70-130			
o-Xylene	2.34	0.0250	2.50		93.4	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.88	0.0250	7.50		91.7	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

LCS Dup (2233010-BSD1)

Prepared: 08/08/22 Analyzed: 08/10/22

Benzene	2.49	0.0250	2.50		99.7	70-130	13.5	23	
Ethylbenzene	2.66	0.0250	2.50		106	70-130	16.4	27	
Toluene	2.52	0.0250	2.50		101	70-130	16.1	24	
o-Xylene	2.75	0.0250	2.50		110	70-130	16.2	27	
p,m-Xylene	5.37	0.0500	5.00		107	70-130	16.7	27	
Total Xylenes	8.11	0.0250	7.50		108	70-130	16.5	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2233010-BLK1)

Prepared: 08/08/22 Analyzed: 08/10/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

LCS (2233010-BS2)

Prepared: 08/08/22 Analyzed: 08/10/22

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.7	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS Dup (2233010-BSD2)

Prepared: 08/08/22 Analyzed: 08/10/22

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.7	70-130	2.25	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2233028-BLK1)

Prepared: 08/09/22 Analyzed: 08/09/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	36.7		50.0		73.4	50-200			

LCS (2233028-BS1)

Prepared: 08/09/22 Analyzed: 08/09/22

Diesel Range Organics (C10-C28)	212	25.0	250		84.7	38-132			
Surrogate: n-Nonane	36.5		50.0		72.9	50-200			

Matrix Spike (2233028-MS1)

Source: E208048-04

Prepared: 08/09/22 Analyzed: 08/09/22

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.5	38-132			
Surrogate: n-Nonane	32.6		50.0		65.3	50-200			

Matrix Spike Dup (2233028-MSD1)

Source: E208048-04

Prepared: 08/09/22 Analyzed: 08/09/22

Diesel Range Organics (C10-C28)	210	25.0	250	ND	84.0	38-132	0.511	20	
Surrogate: n-Nonane	29.8		50.0		59.6	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 8/12/2022 9:47:09AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2233004-BLK1)

Prepared: 08/08/22 Analyzed: 08/09/22

Chloride ND 20.0

LCS (2233004-BS1)

Prepared: 08/08/22 Analyzed: 08/09/22

Chloride 248 20.0 250 99.2 90-110

LCS Dup (2233004-BSD1)

Prepared: 08/08/22 Analyzed: 08/09/22

Chloride 249 20.0 250 99.5 90-110 0.283 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 08/12/22 09:47
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro				Bill To Attention: Address: City, State, Zip Phone: Email:				Lab Use Only Lab WO# E208046 Job Number 19034-0009				TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA x																			
Report due by:												Analysis and Method				State NM CO UT AZ TX																			
Time Sampled												Remarks																							
Date Sampled												Lab Number																							
Matrix												Sample ID																							
No. of Containers												BD60C																							
13:25												1 X																							
8-2-22												S 1 CS-471																							
15:04												2 X																							
8-2-22												S 1 CS-472																							
15:06												3 X																							
8-2-22												S 1 CS-473																							
15:08												4 X																							
8-2-22												S 1 CS-474																							
Additional Instructions:																																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Sampled by: Kholeton Sanchez																							
Relinquished by: (Signature)												Date				Time				Received by: (Signature)				Date				Time				Lab Use Only			
Relinquished by: (Signature)												8-5-22				13:37				Catalina Cat				8/5/22				13:37				Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N			
Relinquished by: (Signature)												Date				Time				Received by: (Signature)				Date				Time				T1 T2 T3			
Relinquished by: (Signature)												Date				Time				Received by: (Signature)				Date				Time				AVG Temp °C 4			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																			

Envirotech Analytical Laboratory

Printed: 8/5/2022 4:35:12PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 08/05/22 13:37	Work Order ID: E208046
Phone: (575) 748-4217	Date Logged In: 08/05/22 14:51	Logged In By: Caitlin Christian
Email:	Due Date: 08/12/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Kholeton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E209139

Job Number: 19034-0009

Received: 9/23/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/26/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/26/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E209139
Date Received: 9/23/2022 2:39:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2022 2:39:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 09/26/22 17:24
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TB @ 25' Sec 1	E209139-01A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TB @ 25' Sec 2	E209139-02A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TB @ 25' Sec 3	E209139-03A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TB @ 40' Sec 1	E209139-04A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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TB @ 25' Sec 1

E209139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Benzene	ND	0.0250	1	09/26/22	09/26/22	
Ethylbenzene	ND	0.0250	1	09/26/22	09/26/22	
Toluene	ND	0.0250	1	09/26/22	09/26/22	
o-Xylene	ND	0.0250	1	09/26/22	09/26/22	
p,m-Xylene	ND	0.0500	1	09/26/22	09/26/22	
Total Xylenes	ND	0.0250	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>	99.7 %	70-130		09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	91.6 %	70-130		09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>	99.7 %	70-130		09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	91.6 %	70-130		09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240003
Diesel Range Organics (C10-C28)	148	25.0	1	09/26/22	09/26/22	
Oil Range Organics (C28-C36)	61.6	50.0	1	09/26/22	09/26/22	
<i>Surrogate: n-Nonane</i>	81.1 %	50-200		09/26/22	09/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2240004
Chloride	7880	400	20	09/26/22	09/26/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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TB @ 25' Sec 2

E209139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Benzene	ND	0.0250	1	09/26/22	09/26/22	
Ethylbenzene	ND	0.0250	1	09/26/22	09/26/22	
Toluene	ND	0.0250	1	09/26/22	09/26/22	
o-Xylene	ND	0.0250	1	09/26/22	09/26/22	
p,m-Xylene	ND	0.0500	1	09/26/22	09/26/22	
Total Xylenes	ND	0.0250	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240003
Diesel Range Organics (C10-C28)	342	250	10	09/26/22	09/26/22	
Oil Range Organics (C28-C36)	ND	500	10	09/26/22	09/26/22	
<i>Surrogate: n-Nonane</i>		69.7 %	50-200	09/26/22	09/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240004
Chloride	7520	400	20	09/26/22	09/26/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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TB @ 25' Sec 3

E209139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Benzene	ND	0.0250	1	09/26/22	09/26/22	
Ethylbenzene	ND	0.0250	1	09/26/22	09/26/22	
Toluene	ND	0.0250	1	09/26/22	09/26/22	
o-Xylene	ND	0.0250	1	09/26/22	09/26/22	
p,m-Xylene	ND	0.0500	1	09/26/22	09/26/22	
Total Xylenes	ND	0.0250	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240003
Diesel Range Organics (C10-C28)	85.0	25.0	1	09/26/22	09/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/22	09/26/22	
<i>Surrogate: n-Nonane</i>		84.7 %	50-200	09/26/22	09/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240004
Chloride	4830	100	5	09/26/22	09/26/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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TB @ 40' Sec 1

E209139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Benzene	ND	0.0250	1	09/26/22	09/26/22	
Ethylbenzene	ND	0.0250	1	09/26/22	09/26/22	
Toluene	ND	0.0250	1	09/26/22	09/26/22	
o-Xylene	ND	0.0250	1	09/26/22	09/26/22	
p,m-Xylene	ND	0.0500	1	09/26/22	09/26/22	
Total Xylenes	ND	0.0250	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/26/22	09/26/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/26/22	09/26/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/22	09/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/22	09/26/22	
<i>Surrogate: n-Nonane</i>		84.1 %	50-200	09/26/22	09/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240004
Chloride	19400	400	20	09/26/22	09/26/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240001-BLK1)

Prepared: 09/26/22 Analyzed: 09/26/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2240001-BS1)

Prepared: 09/26/22 Analyzed: 09/26/22

Benzene	1.97	0.0250	2.50		78.6	70-130			
Ethylbenzene	2.02	0.0250	2.50		80.7	70-130			
Toluene	1.97	0.0250	2.50		79.0	70-130			
o-Xylene	1.88	0.0250	2.50		75.0	70-130			
p,m-Xylene	3.75	0.0500	5.00		74.9	70-130			
Total Xylenes	5.62	0.0250	7.50		75.0	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2240001-BSD1)

Prepared: 09/26/22 Analyzed: 09/26/22

Benzene	2.22	0.0250	2.50		89.0	70-130	12.4	23	
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130	12.6	27	
Toluene	2.25	0.0250	2.50		90.1	70-130	13.2	24	
o-Xylene	2.15	0.0250	2.50		85.9	70-130	13.5	27	
p,m-Xylene	4.25	0.0500	5.00		85.0	70-130	12.6	27	
Total Xylenes	6.40	0.0250	7.50		85.3	70-130	12.9	27	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240001-BLK1)

Prepared: 09/26/22 Analyzed: 09/26/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2240001-BS2)

Prepared: 09/26/22 Analyzed: 09/26/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS Dup (2240001-BSD2)

Prepared: 09/26/22 Analyzed: 09/26/22

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130	2.68	20	
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240003-BLK1)

Prepared: 09/26/22 Analyzed: 09/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	40.1		50.0		80.2	50-200			

LCS (2240003-BS1)

Prepared: 09/26/22 Analyzed: 09/26/22

Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: <i>n</i> -Nonane	43.2		50.0		86.5	50-200			

Matrix Spike (2240003-MS1)

Source: E209140-05

Prepared: 09/26/22 Analyzed: 09/26/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132			
Surrogate: <i>n</i> -Nonane	43.3		50.0		86.5	50-200			

Matrix Spike Dup (2240003-MSD1)

Source: E209140-05

Prepared: 09/26/22 Analyzed: 09/26/22

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132	1.21	20	
Surrogate: <i>n</i> -Nonane	43.9		50.0		87.9	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 9/26/2022 5:24:42PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240004-BLK1)

Prepared: 09/26/22 Analyzed: 09/26/22

Chloride	ND	20.0							
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LCS (2240004-BS1)

Prepared: 09/26/22 Analyzed: 09/26/22

Chloride	249	20.0	250		99.7	90-110			
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LCS Dup (2240004-BSD1)

Prepared: 09/26/22 Analyzed: 09/26/22

Chloride	248	20.0	250		99.2	90-110	0.486	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 09/26/22 17:24
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

EOG Aachen Fray DMB 11 19034 Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: I. Garcia B. Hall G. Crabtree T. Knight Report due by:		Bill To Attention: Address: City, State, Zip Phone: Email:		Lab Use Only Lab WO# E209139 Job Number 19034-0009		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA						
				Analysis and Method DRO, GRO, ORD by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RC PCB's		State NM CO UT AZ TX									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORD by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	Remarks
13:43	9/22/2022	S	1	TB @ 25' Sec 1	1	X	X	X							
13:49	9/22/2022	S	1	TB @ 25' Sec 2	2	X	X	X							
13:53	9/22/2022	S	1	TB @ 25' Sec 3	3	X	X	X							
16:03	9/22/2022	S	1	TB @ 40' Sec 1	4	X	X	X							
X date or time of collection is considered fraud and may be grounds for legal action.															
Relinquished by: (Signature) _____ Date 9/22/2022 Time 14:39						Received by: (Signature) _____ Date 9/23/22 Time 14:39						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) _____ Date _____ Time _____						Relinquished by: (Signature) _____ Date _____ Time _____						Lab Use Only Received on ice: <input checked="" type="checkbox"/> N			
Relinquished by: (Signature) _____ Date _____ Time _____						Relinquished by: (Signature) _____ Date _____ Time _____						T1 _____ T2 _____ T3 _____ AVG Temp °C 4			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Envirotech Analytical Laboratory

Printed: 9/23/2022 2:44:08PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 09/23/22 14:39	Work Order ID: E209139
Phone: (575) 748-4217	Date Logged In: 09/23/22 14:40	Logged In By: Caitlin Christian
Email:	Due Date: 09/26/22 17:00 (1 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E209155

Job Number: 19034-0007

Received: 9/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/29/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/29/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E209155
Date Received: 9/28/2022 10:00:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 09/29/22 18:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TB @ 32' Sec 2	E209155-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
TB @ 30' Sec 3	E209155-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
TB @ 25 Sec 4	E209155-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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TB @ 32' Sec 2

E209155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240039
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
<i>Surrogate: n-Nonane</i>		97.2 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	2540	40.0	2	09/28/22	09/28/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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TB @ 30' Sec 3

E209155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		95.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		95.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240039
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	1400	40.0	2	09/28/22	09/28/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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TB @ 25 Sec 4

E209155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/28/22	09/28/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	09/28/22	09/28/22	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240039
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
<i>Surrogate: n-Nonane</i>		97.3 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	11200	400	20	09/28/22	09/28/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240036-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

LCS (2240036-BS1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.26	0.0250	2.50		90.5	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.8	70-130			
Toluene	2.22	0.0250	2.50		88.9	70-130			
o-Xylene	2.41	0.0250	2.50		96.5	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.5	70-130			
Total Xylenes	7.09	0.0250	7.50		94.5	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

Matrix Spike (2240036-MS1)

Source: E209152-22

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.23	0.0250	2.50	ND	89.2	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.1	45-135			
Toluene	2.18	0.0250	2.50	ND	87.2	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.6	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	92.0	43-135			
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

Matrix Spike Dup (2240036-MSD1)

Source: E209152-22

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.24	0.0250	2.50	ND	89.5	48-131	0.336	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135	3.34	27	
Toluene	2.26	0.0250	2.50	ND	90.4	48-130	3.56	24	
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135	2.81	27	
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135	2.85	27	
Total Xylenes	7.19	0.0250	7.50	ND	95.9	43-135	2.84	27	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.3	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240036-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

LCS (2240036-BS2)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.7	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.433		0.500		86.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2240036-MS2)

Source: E209152-22

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.1	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.3	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike Dup (2240036-MSD2)

Source: E209152-22

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130	1.06	20	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.441		0.500		88.2	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240039-BLK1)

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2240039-BS1)

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			

Matrix Spike (2240039-MS1)

Source: E209156-01

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike Dup (2240039-MSD1)

Source: E209156-01

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132	14.0	20	
Surrogate: n-Nonane	58.5		50.0		117	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 9/29/2022 6:04:32PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240066-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Chloride	ND	20.0							
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LCS (2240066-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Chloride	259	20.0	250		104	90-110			
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LCS Dup (2240066-BSD1)

Prepared: 09/28/22 Analyzed: 09/28/22

Chloride	259	20.0	250		104	90-110	0.140	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0007 Project Manager: Greg Crabtree	Reported: 09/29/22 18:04
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

Client: <u>EOG</u> Project: <u>Aachen Frac DM # 11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E209155</u> Job Number <u>19034-0007</u> Analysis and Method DRO,GRO,ORO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RCI PCB's				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
								State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO,GRO,ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks	
9:02	9/26/2022	S	1	TB@32' sec 2	1	X	X	X								
9:46	9/26/2022	S	1	TB@30' sec 3	2	X	X	X								
13:42	9/26/2022	S	1	TB@25' sec 4	3	X	X	X								
X date or time of collection is considered fraud and may be grounds for legal action.																
Sampled by: <u>Isaac Garcia</u> Relinquished by: (Signature) _____ Date <u>9/27/22</u> Time <u>11:19</u> Received by: (Signature) _____ Date <u>9-27-22</u> Time <u>1117</u> Relinquished by: (Signature) _____ Date <u>9-27-22</u> Time <u>11:30</u> Received by: (Signature) _____ Date <u>9/28/22</u> Time <u>10:00</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Page 13 of 14

Envirotech Analytical Laboratory

Printed: 9/28/2022 11:47:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 09/28/22 10:00 Work Order ID: E209155
Phone: (575) 748-4217 Date Logged In: 09/27/22 15:33 Logged In By: Alexa Michaels
Email: Due Date: 09/28/22 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E210026

Job Number: 19034-0009

Received: 10/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/11/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/11/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E210026
Date Received: 10/6/2022 5:21:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2022 5:21:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
10/11/22 11:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 - 6	E210026-01A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS1 - 5	E210026-02A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS1 - 4	E210026-03A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS1 - 3	E210026-04A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS1 - 2	E210026-05A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS1 - 1	E210026-06A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS2 - 1	E210026-07A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS2 - 2	E210026-08A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS2 - 3	E210026-09A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS2 - 4	E210026-10A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS2 - 5	E210026-11A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS3 - 1	E210026-12A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS3 - 2	E210026-13A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS3 - 3	E210026-14A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS3 - 4	E210026-15A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
CS3 - 5	E210026-16A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
NTW1 - 1	E210026-17A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
NTW1 - 2	E210026-18A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
NTW1 - 3	E210026-19A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.
NTW1 - 4	E210026-20A	Soil	10/05/22	10/06/22	Glass Jar, 4 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 6

E210026-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/07/22	
Toluene	ND	0.0250	1	10/07/22	10/07/22	
o-Xylene	ND	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	60.7	25.0	1	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2241109
Chloride	7380	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 5

E210026-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/07/22	
Toluene	ND	0.0250	1	10/07/22	10/07/22	
o-Xylene	ND	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	226	25.0	1	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	74.6	50.0	1	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	11300	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 4

E210026-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	0.153	0.0250	1	10/07/22	10/07/22	
Toluene	ND	0.0250	1	10/07/22	10/07/22	
o-Xylene	0.144	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	0.161	0.0500	1	10/07/22	10/07/22	
Total Xylenes	0.305	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	2700	2500	100	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	ND	5000	100	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		404 %	50-200	10/07/22	10/07/22	S6
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	12000	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 3

E210026-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/07/22	
Toluene	ND	0.0250	1	10/07/22	10/07/22	
o-Xylene	0.0266	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/07/22	
Total Xylenes	0.0266	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	355	50.0	2	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	109	100	2	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	9480	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 2

E210026-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	0.162	0.0250	1	10/07/22	10/07/22	
Toluene	0.0334	0.0250	1	10/07/22	10/07/22	
o-Xylene	0.567	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	0.716	0.0500	1	10/07/22	10/07/22	
Total Xylenes	1.28	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	33.1	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	2670	250	10	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	689	500	10	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		153 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	10200	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS1 - 1

E210026-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/07/22	
Toluene	ND	0.0250	1	10/07/22	10/07/22	
o-Xylene	ND	0.0250	1	10/07/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	241	25.0	1	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	90.3	50.0	1	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	5470	200	10	10/07/22	10/10/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS2 - 1

E210026-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	33.3	25.0	1	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	4640	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS2 - 2

E210026-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	90.0	25.0	1	10/07/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	4030	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS2 -3

E210026-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	441	125	5	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	250	5	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		129 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	5330	200	10	10/07/22	10/10/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS2 - 4

E210026-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	200	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	68.6	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	7870	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS2 - 5

E210026-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	78.5	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	9170	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS3 - 1

E210026-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	2290	40.0	2	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS3 - 2

E210026-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	4150	40.0	2	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS3 - 3

E210026-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		129 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	4420	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS3 - 4

E210026-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	4450	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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CS3 - 5

E210026-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		134 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	6890	200	10	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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NTW1 - 1

E210026-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	44.3	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	12300	400	20	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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NTW1 - 2

E210026-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	0.0970	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	0.208	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	0.386	0.0500	1	10/07/22	10/08/22	
Total Xylenes	0.594	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	3140	250	10	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	994	500	10	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		134 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	3830	100	5	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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NTW1 - 3

E210026-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	0.0353	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	0.0353	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	34.3	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	6660	200	10	10/07/22	10/08/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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NTW1 - 4

E210026-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241096
Diesel Range Organics (C10-C28)	53.1	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241109
Chloride	2060	40.0	2	10/07/22	10/08/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241097-BLK1)

Prepared: 10/07/22 Analyzed: 10/07/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			

LCS (2241097-BS1)

Prepared: 10/07/22 Analyzed: 10/10/22

Benzene	4.76	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.83	0.0250	5.00		96.5	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.3	0.0250	15.0		95.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

LCS Dup (2241097-BSD1)

Prepared: 10/07/22 Analyzed: 10/07/22

Benzene	4.36	0.0250	5.00		87.2	70-130	8.71	20	
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130	5.19	20	
Toluene	4.90	0.0250	5.00		97.9	70-130	1.45	20	
o-Xylene	5.11	0.0250	5.00		102	70-130	6.14	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	4.95	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	5.35	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241097-BLK1)

Prepared: 10/07/22 Analyzed: 10/07/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

LCS (2241097-BS2)

Prepared: 10/07/22 Analyzed: 10/07/22

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS Dup (2241097-BSD2)

Prepared: 10/07/22 Analyzed: 10/07/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130	2.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241096-BLK1)

Prepared: 10/07/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	60.6		50.0		121	50-200			

LCS (2241096-BS1)

Prepared: 10/07/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	220	25.0	250		88.1	38-132			
Surrogate: <i>n-Nonane</i>	53.5		50.0		107	50-200			

Matrix Spike (2241096-MS1)

Source: E210026-12

Prepared: 10/07/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.8	38-132			
Surrogate: <i>n-Nonane</i>	56.4		50.0		113	50-200			

Matrix Spike Dup (2241096-MSD1)

Source: E210026-12

Prepared: 10/07/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	1.33	20	
Surrogate: <i>n-Nonane</i>	56.2		50.0		112	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 11:53:05AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241109-BLK1)

Prepared: 10/07/22 Analyzed: 10/08/22

Chloride	ND	20.0							
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LCS (2241109-BS1)

Prepared: 10/07/22 Analyzed: 10/08/22

Chloride	246	20.0	250		98.3	90-110			
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Matrix Spike (2241109-MS1)

Source: E210026-01

Prepared: 10/07/22 Analyzed: 10/08/22

Chloride	11800	100	250	7380	NR	80-120			M5
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Matrix Spike Dup (2241109-MSD1)

Source: E210026-01

Prepared: 10/07/22 Analyzed: 10/08/22

Chloride	11700	100	250	7380	NR	80-120	0.721	20	M5
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/22 11:53
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- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated LCS spike recovery was acceptable.
- S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.
 Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: <u>COG</u> Project: <u>Archer Ferry DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>J. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E210026</u> Job Number <u>19034-0009</u> Analysis and Method DRG, GRO, ORO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> RC <input type="checkbox"/> PCB's <input type="checkbox"/>				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
				State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	Remarks	
10:58	10/18/22	S	1	CS1-6	1	X	X	X								
11:10	10/15/22	S	1	CS1-5	2											
11:17	10/15/22	S	1	CS1-4	3											
11:26	10/15/22	S	1	CS1-3	4											
11:35	10/15/22	S	1	CS2-2	5											
11:44	10/15/22	S	1	CS1-1	6											
11:54	10/15/22	S	1	CS2-1	7											
12:01	10/15/22	S	1	CS2-2	8											
12:08	10/15/22	S	1	CS2-3	9											
12:20	10/15/22	S	1	CS2-4	10											
X Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Client: <u>BOG</u> Project: <u>Acheson Frey DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____					Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____					Lab Use Only Lab WO# <u>E 2100210</u> Job Number <u>19074-0009</u> Analysis and Method DRG, GRO, GRO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RCRA PCB's					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>				
State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>					Remarks																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GRO, GRO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCRA	PCB's	1D	2D	3D	Standard	CWA	SDWA	RCRA	
12:30	10/5/22	S	1	CS 2-5	11	X	X	X														
13:41	10/5/22	S	1	CS 3-1	12																	
13:48	10/5/22	S	1	CS 3-2	13																	
13:54	10/5/22	S	1	CS 3-3	14																	
14:04	10/5/22	S	1	CS 3-4	15																	
14:11	10/5/22	S	1	CS 3-5	16																	
14:37	10/5/22	S	1	NTW 1-1	17																	
14:45	10/5/22	S	1	NTW 1-2	18																	
14:52	10/5/22	S	1	NTW 1-3	19																	
15:00	10/5/22	S	1	NTW 1-4	20																	
X date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature) _____ Date _____ Time _____															Received by: (Signature) _____ Date _____ Time _____							
Relinquished by: (Signature) _____ Date <u>10/6/22</u> Time <u>12:20</u>															Received by: (Signature) <u>Isaac Garcia</u> Date <u>10/6/22</u> Time <u>17:21</u>							
Relinquished by: (Signature) _____ Date _____ Time _____															Received by: (Signature) _____ Date _____ Time _____							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Envirotech Analytical Laboratory

Printed: 10/7/2022 12:02:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 10/06/22 17:21	Work Order ID: E210026
Phone: (575) 748-4217	Date Logged In: 10/06/22 17:21	Logged In By: Caitlin Christian
Email:	Due Date: 10/10/22 17:00 (1 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Workorder was split into 2 reports due to sample volume. Workorders are as follows: E210026/E210033.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E210033

Job Number: 19034-0009

Received: 10/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/11/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/11/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E210033
Date Received: 10/6/2022 5:21:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2022 5:21:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/22 09:53
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NTW2 - 1	E210033-01A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW2 - 2	E210033-02A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW2 - 3	E210033-03A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW2 - 4	E210033-04A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW3 - 1	E210033-05A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW3 - 2	E210033-06A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW3 - 3	E210033-07A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
NTW3 - 4	E210033-08A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
ETW 1	E210033-09A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
ETW 2	E210033-10A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.
ETW 3	E210033-11A	Soil	10/05/22	10/06/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW2 - 1

E210033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	3350	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW2 - 2

E210033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	180	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	75.1	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	4310	100	5	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW2 - 3

E210033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	0.0435	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	0.123	0.0500	1	10/07/22	10/08/22	
Total Xylenes	0.167	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	1690	250	10	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	516	500	10	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		136 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	995	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW2 - 4

E210033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	0.0462	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	0.0462	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	1600	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW3 - 1

E210033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	1340	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW3 - 2

E210033-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	726	20.0	1	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW3 - 3

E210033-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	534	20.0	1	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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NTW3 - 4

E210033-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	919	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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ETW 1

E210033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	3720	40.0	2	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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ETW 2

E210033-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	46.7	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	7790	400	20	10/07/22	10/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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ETW 3

E210033-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Benzene	ND	0.0250	1	10/07/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/07/22	10/08/22	
Toluene	ND	0.0250	1	10/07/22	10/08/22	
o-Xylene	ND	0.0250	1	10/07/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241108
Chloride	3250	40.0	2	10/07/22	10/07/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241115-BLK1)

Prepared: 10/07/22 Analyzed: 10/08/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

LCS (2241115-BS1)

Prepared: 10/07/22 Analyzed: 10/08/22

Benzene	4.57	0.0250	5.00		91.5	70-130			
Ethylbenzene	4.49	0.0250	5.00		89.7	70-130			
Toluene	4.62	0.0250	5.00		92.5	70-130			
o-Xylene	4.59	0.0250	5.00		91.8	70-130			
p,m-Xylene	9.09	0.0500	10.0		90.9	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

LCS Dup (2241115-BSD1)

Prepared: 10/07/22 Analyzed: 10/08/22

Benzene	4.58	0.0250	5.00		91.6	70-130	0.139	20	
Ethylbenzene	4.51	0.0250	5.00		90.1	70-130	0.460	20	
Toluene	4.64	0.0250	5.00		92.7	70-130	0.253	20	
o-Xylene	4.61	0.0250	5.00		92.1	70-130	0.273	20	
p,m-Xylene	9.14	0.0500	10.0		91.4	70-130	0.514	20	
Total Xylenes	13.7	0.0250	15.0		91.6	70-130	0.433	20	
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241115-BLK1)

Prepared: 10/07/22 Analyzed: 10/08/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2241115-BS2)

Prepared: 10/07/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

LCS Dup (2241115-BSD2)

Prepared: 10/07/22 Analyzed: 10/08/22

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130	14.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241098-BLK1)

Prepared: 10/07/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			

LCS (2241098-BS1)

Prepared: 10/07/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	228	25.0	250		91.2	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

Matrix Spike (2241098-MS1)

Source: E210028-04

Prepared: 10/07/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			

Matrix Spike Dup (2241098-MSD1)

Source: E210028-04

Prepared: 10/07/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	38-132	3.36	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/2022 9:53:59AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241108-BLK1)

Prepared: 10/07/22 Analyzed: 10/07/22

Chloride ND 20.0

LCS (2241108-BS1)

Prepared: 10/07/22 Analyzed: 10/07/22

Chloride 263 20.0 250 105 90-110

Matrix Spike (2241108-MS1)

Source: E210028-01

Prepared: 10/07/22 Analyzed: 10/07/22

Chloride 234 200 250 ND 93.8 80-120

Matrix Spike Dup (2241108-MSD1)

Source: E210028-01

Prepared: 10/07/22 Analyzed: 10/07/22

Chloride 251 200 250 ND 100 80-120 6.78 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/11/22 09:53
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

E210033 *cc*

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT			EPA Program							
Project: <u>Acheson Frey DM #11</u>		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Greg Crabtree</u>		Address:		<u>E210033</u>	<u>19034-0007</u>	<input checked="" type="checkbox"/>										
Address:		City, State, Zip		Analysis and Method												
City, State, Zip		Phone:		DRO, GORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCRA					
Phone:		Email:									State					
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>											NM	CO	UT	AZ	TX	
Report due by:											<input checked="" type="checkbox"/>					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks
15:06	10/5/22	S	1	NTW 2-1	1	X	X	X								
15:16	10/5/22	S	1	NTW 2-2	2											
15:19	10/5/22	S	1	NTW 2-3	3											
15:27	10/5/22	S	1	NTW 2-4	4											
15:38	10/5/22	S	1	NTW 3-1	5											
15:48	10/5/22	S	1	NTW 3-2	6											
15:56	10/5/22	S	1	NTW 3-3	7											
16:07	10/5/22	S	1	NTW 3-4	8											
16:26	10/5/22	S	1	ETW 1	9											
16:34	10/5/22	S	1	ETW 2	10											
X																
X												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
date or time of collection is considered fraud and may be grounds for legal action.												Sampled by: <u>Isaac Garcia</u>				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only										
<i>[Signature]</i>	10/16/22	17:10	<i>[Signature]</i>	10/16/22	17:21	Received on ice: <input checked="" type="checkbox"/> Y / N										
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____										
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Envirotech Analytical Laboratory

Printed: 10/7/2022 12:02:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 10/06/22 17:21	Work Order ID: E210026
Phone: (575) 748-4217	Date Logged In: 10/06/22 17:21	Logged In By: Caitlin Christian
Email:	Due Date: 10/10/22 17:00 (1 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Workorder was split into 2 reports due to sample volume. Workorders are as follows: E210026/E210033.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E210076

Job Number: 19034-0009

Received: 10/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/18/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/18/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E210076
Date Received: 10/14/2022 1:49:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2022 1:49:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
10/18/22 15:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NT2B1	E210076-01A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B2	E210076-02A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B3	E210076-03A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B4	E210076-04A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B5	E210076-05A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B6	E210076-06A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B7	E210076-07A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B8	E210076-08A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B9	E210076-09A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2B10	E210076-10A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2W1	E210076-11A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2W2	E210076-12A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT2W3	E210076-13A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B1	E210076-14A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B2	E210076-15A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B3	E210076-16A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B4	E210076-17A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B5	E210076-18A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3B6	E210076-19A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3W1	E210076-20A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3W2	E210076-21A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT3W3	E210076-22A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ETB1	E210076-23A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ETB2	E210076-24A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ETB3	E210076-25A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ETW1	E210076-26A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ETW2	E210076-27A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B1

E210076-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	31.8	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B2

E210076-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	28.2	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B3

E210076-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	144	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B4

E210076-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	207	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B5

E210076-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	916	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B6

E210076-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	0.0540	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	0.0420	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	0.128	0.0500	1	10/14/22	10/15/22	
Total Xylenes	0.170	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	921	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	392	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	146	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B7

E210076-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	0.0308	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	166	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B8

E210076-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	0.0569	0.0250	1	10/14/22	10/15/22	
Toluene	0.0379	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	76.5	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B9

E210076-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2242079	
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2242079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2242080	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2243003	
Chloride	55.5	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2B10
E210076-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	94.7	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	127	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	66.2	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2W1

E210076-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	124	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2W2

E210076-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	244	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT2W3

E210076-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.5 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	435	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B1

E210076-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	785	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B2

E210076-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	578	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B3

E210076-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	1690	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B4

E210076-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	1150	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B5

E210076-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	767	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3B6

E210076-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	52.0	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3W1

E210076-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Benzene	ND	0.0250	1	10/14/22	10/16/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/16/22	
Toluene	ND	0.0250	1	10/14/22	10/16/22	
o-Xylene	ND	0.0250	1	10/14/22	10/16/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/16/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.7 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243003
Chloride	434	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3W2

E210076-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	1090	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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NT3W3

E210076-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	451	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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ETB1
E210076-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.6 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	40.3	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	1030	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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ETB2
E210076-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	187	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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ETB3
E210076-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	79.1	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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ETW1

E210076-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2242067	
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2242067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2242064	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2243005	
Chloride	1730	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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ETW2

E210076-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Benzene	ND	0.0250	1	10/14/22	10/17/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/17/22	
Toluene	ND	0.0250	1	10/14/22	10/17/22	
o-Xylene	ND	0.0250	1	10/14/22	10/17/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.4 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243005
Chloride	167	20.0	1	10/17/22	10/17/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242067-BLK1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

LCS (2242067-BS1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.44	0.0250	5.00		109	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.1	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

LCS Dup (2242067-BSD1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	4.71	0.0250	5.00		94.2	70-130	12.6	20	
Ethylbenzene	4.64	0.0250	5.00		92.9	70-130	13.1	20	
Toluene	4.79	0.0250	5.00		95.7	70-130	12.8	20	
o-Xylene	4.76	0.0250	5.00		95.2	70-130	13.0	20	
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130	13.0	20	
Total Xylenes	14.2	0.0250	15.0		94.5	70-130	13.0	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242079-BLK1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

LCS (2242079-BS1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.6	70-130			
Toluene	4.52	0.0250	5.00		90.3	70-130			
o-Xylene	4.27	0.0250	5.00		85.4	70-130			
p,m-Xylene	8.47	0.0500	10.0		84.7	70-130			
Total Xylenes	12.7	0.0250	15.0		84.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

LCS Dup (2242079-BSD1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	5.44	0.0250	5.00		109	70-130	0.804	20	
Ethylbenzene	4.21	0.0250	5.00		84.1	70-130	0.607	20	
Toluene	4.56	0.0250	5.00		91.1	70-130	0.912	20	
o-Xylene	4.30	0.0250	5.00		86.0	70-130	0.665	20	
p,m-Xylene	8.52	0.0500	10.0		85.2	70-130	0.588	20	
Total Xylenes	12.8	0.0250	15.0		85.4	70-130	0.614	20	
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242067-BLK1)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

LCS (2242067-BS2)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS Dup (2242067-BSD2)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.9	70-130	14.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242079-BLK1)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.29		8.00		78.7	70-130			

LCS (2242079-BS2)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			

LCS Dup (2242079-BSD2)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.8	70-130	5.04	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242064-BLK1)

Prepared: 10/14/22 Analyzed: 10/14/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.2		50.0		118	50-200			

LCS (2242064-BS1)

Prepared: 10/14/22 Analyzed: 10/14/22

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	56.2		50.0		112	50-200			

Matrix Spike (2242064-MS1)

Source: E210060-06

Prepared: 10/14/22 Analyzed: 10/14/22

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			

Matrix Spike Dup (2242064-MSD1)

Source: E210060-06

Prepared: 10/14/22 Analyzed: 10/14/22

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.12	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242080-BLK1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	50-200			

LCS (2242080-BS1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike (2242080-MS1)

Source: E210076-11

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			

Matrix Spike Dup (2242080-MSD1)

Source: E210076-11

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	0.517	20	
Surrogate: n-Nonane	52.8		50.0		106	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243003-BLK1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	ND	20.0							
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LCS (2243003-BS1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2243003-MS1)

Source: E210076-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	280	20.0	250	31.8	99.3	80-120			
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Matrix Spike Dup (2243003-MSD1)

Source: E210076-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	276	20.0	250	31.8	97.8	80-120	1.33	20	
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QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:41:08PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243005-BLK1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	ND	20.0							
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LCS (2243005-BS1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	248	20.0	250		99.2	90-110			
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Matrix Spike (2243005-MS1)

Source: E210076-21

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	1430	20.0	250	1090	138	80-120			M2
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Matrix Spike Dup (2243005-MSD1)

Source: E210076-21

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	1380	20.0	250	1090	118	80-120	3.47	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/22 15:41
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: <u>FOG</u> Project: <u>Arden Frey DM#11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>All enviro</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E210076</u> Job Number <u>19034-0009</u> Analysis and Method DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>		
State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				Additional Instructions:				I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks					
14:50	10/13/22	S	1	NT2B1	1	X	X	X			X						
14:54	10/13/22	S	1	NT2B2	2												
14:58	10/13/22	S	1	NT2B3	3												
15:03	10/13/22	S	1	NT2B4	4												
15:07	10/13/22	S	1	NT2B5	5												
15:12	10/13/22	S	1	NT2B6	6												
15:17	10/13/22	S	1	NT2B7	7												
15:22	10/13/22	S	1	NT2B8	8												
15:28	10/13/22	S	1	NT2B9	9												
15:32	10/13/22	S	1	NT2B10	10												
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					



Project Information

Chain of Custody

Page 6 of 7

Client: <u>EGF</u> Project: <u>Achen Ferry DM #11</u> Project Manager: <u>Arco Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>All chviro.</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E210076</u> Job Number <u>19034-0069</u> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/> Analysis and Method DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>		EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
Additional Instructions:				I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			
15:37	10/13/22	S	1	NT2W1	11	X	X	X		X		Remarks			
15:40	10/13/22	S	1	NT2W2	12										
15:43	10/13/22	S	1	NT2W3	13										
15:47	10/13/22	S	1	NT3B1	14										
15:51	10/13/22	S	1	NT3B2	15										
15:55	10/13/22	S	1	NT3B3	16										
15:59	10/13/22	S	1	NT3B4	17										
16:02	10/13/22	S	1	NT3B5	18										
16:06	10/13/22	S	1	NT3B6	19										
16:09	10/13/22	S	1	NT3W1	20										
Relinquished by: (Signature) <u>Dustin Smith</u> Date <u>10-14-22</u> Time <u>13:47</u>						Received by: (Signature) <u>Carla Clark</u> Date <u>10/14/22</u> Time <u>13:49</u>						Lab Use Only Received on ice: <input checked="" type="checkbox"/> N			
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



Project information

Chain of Custody

Page 7 of 7

Client: <u>FOG</u> Project: <u>Achen Frey DM #11</u> Project Manager: <u>Felipe Alvarez</u> <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Felipe Alvarez</u> <u>Tknight Gcrabtree</u> <u>Rachel Igarcia</u> <u>Maria S. Deater</u> <u>All Enviro</u> Report due by: _____		Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____		Lab Use Only Lab WO# <u>E210076</u> Job Number <u>19034-0009</u> Analysis and Method				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>					
				DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> CO 910.1 Table <input type="checkbox"/> TDS <input type="checkbox"/>				State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			Remarks 500-ml poly, metal					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
16:15	10/13/22	S	1	NT3W2	21	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>						
16:19	10/13/22	S	1	NT3W3	22											
16:31	10/13/22	S	1	ETB1	23											
16:36	10/13/22	S	1	ETB2	24											
16:40	10/13/22	S	1	ETB3	25											
16:47	10/13/22	S	1	ETW1	26											
16:54	10/13/22	S	1	ETW2												
Additional Instructions: _____																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Relinquished by: (Signature) <u>Austin Foutz</u> Date <u>10-14-22</u> Time <u>13:47</u>										Received by: (Signature) <u>Caitie Crut</u> Date <u>10/14/22</u> Time <u>13:49</u>						
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____						
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Envirotech Analytical Laboratory

Printed: 10/14/2022 3:31:18PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 10/13/22 13:49 Work Order ID: E210076
Phone: (575) 748-4217 Date Logged In: 10/14/22 14:09 Logged In By: Caitlin Christian
Email: Due Date: 10/14/22 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Austin Foutz

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E210075

Job Number: 19034-0009

Received: 10/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/18/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/18/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E210075
Date Received: 10/14/2022 1:49:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2022 1:49:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
10/18/22 15:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
ST3B1	E210075-01A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3B2	E210075-02A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3B3	E210075-03A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3B4	E210075-04A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3B5	E210075-05A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3W1	E210075-06A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3W2	E210075-07A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST3W3	E210075-08A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B1	E210075-09A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B2	E210075-10A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B3	E210075-11A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B4	E210075-12A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B5	E210075-13A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B6	E210075-14A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B7	E210075-15A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B8	E210075-16A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1B9	E210075-17A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1W1	E210075-18A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1W2	E210075-19A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
NT1W3	E210075-20A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3B1

E210075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS	Batch: 2242078	
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS	Batch: 2242078	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2242081	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2243002	
Chloride	3000	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3B2

E210075-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	96.4	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3B3

E210075-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	2250	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3B4

E210075-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	2690	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3B5

E210075-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2242078	
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2242078	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2242081	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2243002	
Chloride	378	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3W1

E210075-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	2690	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3W2

E210075-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	2960	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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ST3W3

E210075-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	2710	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B1

E210075-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	ND	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B2

E210075-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	326	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B3

E210075-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	796	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B4

E210075-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	369	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B5

E210075-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	567	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B6

E210075-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	1120	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B7

E210075-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	92.6	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	123	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	1580	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B8

E210075-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	1910	40.0	2	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1B9

E210075-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	36.2	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	52.8	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	221	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1W1
E210075-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	119	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1W2

E210075-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	221	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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NT1W3

E210075-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242081
Diesel Range Organics (C10-C28)	48.4	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	58.5	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243002
Chloride	733	20.0	1	10/17/22	10/17/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242078-BLK1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

LCS (2242078-BS1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.04	0.0250	5.00		80.9	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.11	0.0250	5.00		82.2	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.3	0.0250	15.0		82.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

LCS Dup (2242078-BSD1)

Prepared: 10/14/22 Analyzed: 10/15/22

Benzene	5.35	0.0250	5.00		107	70-130	3.51	20	
Ethylbenzene	4.18	0.0250	5.00		83.6	70-130	3.30	20	
Toluene	4.49	0.0250	5.00		89.9	70-130	2.99	20	
o-Xylene	4.26	0.0250	5.00		85.3	70-130	3.64	20	
p,m-Xylene	8.47	0.0500	10.0		84.7	70-130	3.09	20	
Total Xylenes	12.7	0.0250	15.0		84.9	70-130	3.27	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2242078-BLK1)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			

LCS (2242078-BS2)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.61		8.00		82.6	70-130			

LCS Dup (2242078-BSD2)

Prepared: 10/14/22 Analyzed: 10/15/22

Gasoline Range Organics (C6-C10)	37.0	20.0	50.0		74.0	70-130	14.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242081-BLK1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

LCS (2242081-BS1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	214	25.0	250		85.5	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2242081-MS1)

Source: E210075-13

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	220	25.0	250	ND	87.9	38-132			
Surrogate: n-Nonane	49.2		50.0		98.3	50-200			

Matrix Spike Dup (2242081-MSD1)

Source: E210075-13

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	9.75	20	
Surrogate: n-Nonane	48.4		50.0		96.9	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:33:58PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243002-BLK1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	ND	20.0							
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LCS (2243002-BS1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2243002-MS1)

Source: E210075-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	3180	40.0	250	3000	72.9	80-120			M2
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Matrix Spike Dup (2243002-MSD1)

Source: E210075-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	3600	40.0	250	3000	238	80-120	12.2	20	M2
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/22 15:33
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 3 of 7

Client: <u>ECG</u> Project: <u>Achen Frey DMA#11</u> Project Manager: <u>Greg Campbell</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>All Enviro.</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E210075</u> Job Number <u>19034-0009</u> Analysis and Method DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 3000 _____				TAT 1D <input checked="" type="checkbox"/> 2D _____ 3D _____ Standard _____ EPA Program CWA _____ SDWA _____ RCRA _____ State NM _____ CO _____ UT _____ AZ _____ TX _____		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	Remarks		
11:40	10-13-22	S	1	ST3B1	1	X	X	X		X				
11:45	10-13-22	S	1	ST3B2	2									
11:51	10-13-22	S	1	ST3B3	3									
11:56	10-13-22	S	1	ST3B4	4									
12:01	10-13-22	S	1	ST3B5	5									
12:04	10-13-22	S	1	ST3W1	6									
12:08	10-13-22	S	1	ST3W2	7									
12:13	10-13-22	S	1	ST3W3	8									
13:38	10-13-22			NT1B1	9									
13:44	10-13-22	S	1	NT1B2	10									
Additional Instructions: _____ I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>H FOUTE</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>10-14-22</u> Time <u>13:47</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/14/22</u> Time <u>13:49</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.														



Project Information

Chain of Custody

Client: <u>FOG</u> Project: <u>Achen Frey DM#1</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>AI Enviro.</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E210075</u> Job Number <u>19034-0009</u> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/> Analysis and Method DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>				TAT EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks			
13:50	10-13-22	S	1	NT1B3	11	X	X	X		X					
13:53		S	1	NT1B4	12										
13:55		S	1	NT1B5	13										
13:57		S	1	NT1B6	14										
14:00		S	1	NT1B7	15										
14:05		S	1	NT1B8	16										
14:09		S	1	NT1B9	17										
14:13		S	1	NT1W1	18										
14:17		S	1	NT1W2	19										
14:20		S	1	NT1W3	20										
Additional Instructions: _____															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															
Relinquished by: (Signature) <u>Austin Forte</u> Date <u>10-14-22</u> Time <u>13:47</u>															
Relinquished by: (Signature) _____ Date _____ Time _____															
Received by: (Signature) <u>Cherie Chet</u> Date <u>10/14/22</u> Time <u>13:49</u>															
Received by: (Signature) _____ Date _____ Time _____															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



Envirotech Analytical Laboratory

Printed: 10/14/2022 3:26:08PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 10/13/22 13:49 Work Order ID: E210075
Phone: (575) 748-4217 Date Logged In: 10/14/22 14:00 Logged In By: Caitlin Christian
Email: Due Date: 10/14/22 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Austin Foutz

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E210074

Job Number: 19034-0009

Received: 10/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/18/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/18/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E210074
Date Received: 10/14/2022 1:49:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2022 1:49:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/22 15:27
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
St1B1	E210074-01A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B2	E210074-02A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B3	E210074-03A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B4	E210074-04A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B5	E210074-05A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B6	E210074-06A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B7	E210074-07A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B8	E210074-08A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1B9	E210074-09A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
St1W1	E210074-10A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST1W2	E210074-11A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST1W3	E210074-12A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2B1	E210074-13A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2B2	E210074-14A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2B3	E210074-15A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2B4	E210074-16A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2B5	E210074-17A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2W1	E210074-18A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2W2	E210074-19A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.
ST2W3	E210074-20A	Soil	10/13/22	10/14/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B1
E210074-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	2040	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B2

E210074-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	392	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B3
E210074-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	1090	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B4

E210074-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.7 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	26.4	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	937	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B5

E210074-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.4 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	56.9	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B6
E210074-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.9 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	212	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B7

E210074-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.4 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	99.6	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B8
E210074-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	155	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1B9
E210074-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	68.2	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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St1W1

E210074-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	924	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST1W2

E210074-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.5 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	217	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST1W3

E210074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2242076	
Benzene	ND	0.0250	1	10/14/22	10/14/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/14/22	
Toluene	ND	0.0250	1	10/14/22	10/14/22	
o-Xylene	ND	0.0250	1	10/14/22	10/14/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2242076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2242077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2243001	
Chloride	493	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2B1

E210074-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	516	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2B2

E210074-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	1350	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2B3

E210074-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2243001
Chloride	681	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2B4

E210074-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/17/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	303	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2B5

E210074-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	55.2	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2W1

E210074-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	719	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2W2

E210074-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2242076	
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2242076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2242077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2243001	
Chloride	919	20.0	1	10/17/22	10/17/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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ST2W3

E210074-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Benzene	ND	0.0250	1	10/14/22	10/15/22	
Ethylbenzene	ND	0.0250	1	10/14/22	10/15/22	
Toluene	ND	0.0250	1	10/14/22	10/15/22	
o-Xylene	ND	0.0250	1	10/14/22	10/15/22	
p,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2242077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/22	10/18/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243001
Chloride	1220	20.0	1	10/17/22	10/17/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242076-BLK1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.6	70-130			

LCS (2242076-BS1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.04	0.0250	5.00		80.7	70-130			
Toluene	4.34	0.0250	5.00		86.7	70-130			
o-Xylene	4.09	0.0250	5.00		81.9	70-130			
p,m-Xylene	8.19	0.0500	10.0		81.9	70-130			
Total Xylenes	12.3	0.0250	15.0		81.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

LCS Dup (2242076-BSD1)

Prepared: 10/14/22 Analyzed: 10/14/22

Benzene	5.20	0.0250	5.00		104	70-130	0.676	20	
Ethylbenzene	4.09	0.0250	5.00		81.8	70-130	1.32	20	
Toluene	4.37	0.0250	5.00		87.5	70-130	0.847	20	
o-Xylene	4.14	0.0250	5.00		82.9	70-130	1.20	20	
p,m-Xylene	8.30	0.0500	10.0		83.0	70-130	1.40	20	
Total Xylenes	12.4	0.0250	15.0		83.0	70-130	1.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242076-BLK1)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		8.00		85.9	70-130			

LCS (2242076-BS2)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			

LCS Dup (2242076-BSD2)

Prepared: 10/14/22 Analyzed: 10/14/22

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.5	70-130	5.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242077-BLK1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	50-200			

LCS (2242077-BS1)

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: <i>n</i> -Nonane	54.8		50.0		110	50-200			

Matrix Spike (2242077-MS1)

Source: E210074-07

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: <i>n</i> -Nonane	54.3		50.0		109	50-200			

Matrix Spike Dup (2242077-MSD1)

Source: E210074-07

Prepared: 10/14/22 Analyzed: 10/17/22

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.0227	20	
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/2022 3:27:53PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243001-BLK1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	ND	20.0							
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LCS (2243001-BS1)

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	260	20.0	250		104	90-110			
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Matrix Spike (2243001-MS1)

Source: E210074-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	2240	20.0	250	2040	80.3	80-120			
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Matrix Spike Dup (2243001-MSD1)

Source: E210074-01

Prepared: 10/17/22 Analyzed: 10/17/22

Chloride	2350	20.0	250	2040	124	80-120	4.79	20	M2
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 10/18/22 15:27
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: <u>FOA</u> Project: <u>Achen Frey is a DM#11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>ALL enviro</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WOH# <u>E 210074</u> Job Number <u>19034-0009</u> Analysis and Method DRD/ORD by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
								State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRD/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks				
8:25	10-13-22	S	1	ST1B1	1	X	X	X		X						
8:29	10-13-22	S	1	ST1B2	2											
8:37	10-13-22	S	1	ST1B3	3											
8:40	10-13-22	S	1	ST1B4	4											
8:45	10-13-22	S	1	ST1B5	5											
8:47	10-13-22	S	1	ST1B6	6											
8:50	10-13-22	S	1	ST1B7	7											
8:52	10-13-22	S	1	ST1B8	8											
8:56	10-13-22	S	1	ST1B9	9											
9:01	10-13-22	S	1	ST1W1	10											
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Sampled by: <u>R. Foura</u>																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature) <u>Austin Fouts</u>		Date <u>10-14-22</u>		Time <u>13:47</u>		Received by: (Signature) <u>Antalate</u>		Date <u>10/14/22</u>		Time <u>13:49</u>		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



Project Information

Chain of Custody

Page 2 of 7

Client: <u>EOG</u>				Bill To				Lab Use Only				TAT			EPA Program			
Project: <u>Ashen Fry DM#11</u>				Attention:				Lab WO# <u>E210074</u>		Job Number <u>19034-0009</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Greg Crabtree</u>				Address:				Analysis and Method										
Address:				City, State, Zip				<input type="checkbox"/> BCO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0										
City, State, Zip				Phone:				<input type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX										
Phone:				Email:				State										
Email: <u>All Enviro.</u>				Report due by:				<input checked="" type="checkbox"/> RCRA <input checked="" type="checkbox"/> State										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BCO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1D	2D	3D	Standard	Remarks		
9:05	10-13-22	S	1	ST1W2	11	X	X	X			X							
9:09	10-13-22	S	1	ST1W3	12													
9:50	10-13-22	S	1	ST2B1	13													
9:57	10-13-22	S	1	ST2B2	14													
10:04	10-13-22	S	1	ST2B3	15													
10:11	10-13-22	S	1	ST2B4	16													
10:19	10-13-22	S	1	ST2B5	17													
10:25	10-13-22	S	1	ST2W1	18													
10:33	10-13-22	S	1	ST2W2	19													
10:44	10-13-22	S	1	ST2W3	20													
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Austin Forts</u>				Date <u>10-14-22</u>		Time <u>13:47</u>		Received by: (Signature) <u>Autha Cate</u>				Date <u>10/14/22</u>		Time <u>13:49</u>		Lab Use Only		
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: <input checked="" type="checkbox"/> N		
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 _____ T2 _____ T3 _____		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Envirotech Analytical Laboratory

Printed: 10/14/2022 3:16:01PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 10/14/22 13:49	Work Order ID: E210074
Phone: (575) 748-4217	Date Logged In: 10/14/22 13:56	Logged In By: Caitlin Christian
Email:	Due Date: 10/17/22 17:00 (1 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Austin Foutz

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211029

Job Number: 19034-0009

Received: 11/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/7/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/7/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211029
Date Received: 11/4/2022 10:15:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2022 10:15:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/07/22 15:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
STW1 - 1	E211029-01A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 2	E211029-02A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 3	E211029-03A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 4	E211029-04A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 1	E211029-05A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 2	E211029-06A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 3	E211029-07A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 4	E211029-08A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 1	E211029-09A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 2	E211029-10A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 3	E211029-11A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 4	E211029-12A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 1

E211029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	7430	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 2

E211029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	9230	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 3

E211029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	4570	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 4

E211029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	52.9	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	6940	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 1

E211029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	602	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	278	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	ND	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 2

E211029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	0.0321	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0729	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.105	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	50.3	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	1270	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 3

E211029-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0679	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.0679	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	1010	50.0	2	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	645	100	2	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	ND	400	20	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 4

E211029-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0650	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.0650	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	220	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	211	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	5370	400	20	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 1

E211029-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	0.0377	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	330	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	249	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	14600	400	20	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 2

E211029-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	279	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	197	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	13000	400	20	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 3

E211029-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	5430	100	5	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 4

E211029-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	6030	100	5	11/04/22	11/07/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245055-BLK1)

Prepared: 11/04/22 Analyzed: 11/07/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

LCS (2245055-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Benzene	6.15	0.0250	5.00		123	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.7	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	9.75	0.0500	10.0		97.5	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.61		8.00		108	70-130			

LCS Dup (2245055-BSD1)

Prepared: 11/04/22 Analyzed: 11/04/22

Benzene	6.02	0.0250	5.00		120	70-130	2.19	20	
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130	2.23	20	
Toluene	5.03	0.0250	5.00		101	70-130	2.23	20	
o-Xylene	4.78	0.0250	5.00		95.7	70-130	2.57	20	
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130	2.44	20	
Total Xylenes	14.3	0.0250	15.0		95.3	70-130	2.49	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245055-BLK1)

Prepared: 11/04/22 Analyzed: 11/07/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.32		8.00		78.9	70-130			

LCS (2245055-BS2)

Prepared: 11/04/22 Analyzed: 11/04/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.48		8.00		81.1	70-130			

LCS Dup (2245055-BSD2)

Prepared: 11/04/22 Analyzed: 11/04/22

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	9.40	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245057-BLK1)

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.1		50.0		114	50-200			

LCS (2245057-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike (2245057-MS1)

Source: E211029-10

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	462	25.0	250	279	73.2	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike Dup (2245057-MSD1)

Source: E211029-10

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	334	25.0	250	279	21.9	38-132	32.2	20	M2, R3
Surrogate: n-Nonane	54.4		50.0		109	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245058-BLK1)

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride ND 20.0

LCS (2245058-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 252 20.0 250 101 90-110

Matrix Spike (2245058-MS1)

Source: E211029-01

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 7720 200 250 7430 117 80-120

Matrix Spike Dup (2245058-MSD1)

Source: E211029-01

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 7800 200 250 7430 150 80-120 1.04 20 M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/07/22 15:30

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>EOG</u>				Bill To				Lab Use Only				TAT			EPA Program			
Project: <u>Achen Frey Dam #11</u>				Attention:				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Greg Crabtree</u>				Address:				<u>E211029</u>		<u>19034-0009</u>		<input checked="" type="checkbox"/>						
Address:				City, State, Zip				Analysis and Method										
City, State, Zip				Phone:				DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's		
Phone:				Email:														
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Report due by:														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
14:10	11/2/22	S	1	STW 1-1	1	X	X	X										
14:19				STW 1-2	2													
14:26				STW 1-3	3													
14:34				STW 1-4	4													
14:49				STW 2-1	5													
14:59				STW 2-2	6													
15:10				STW 2-3	7													
15:15				STW 2-4	8													
15:25				STW 3-1	9													
15:32				STW 3-2	10													
X date or time of collection is considered fraud and may be grounds for legal action.																		
X Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only		
				11/3/2022		13:32						11-3-22		1332		Received on ice: <input checked="" type="checkbox"/> / N		
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 T2 T3		
				11-3-22		1615						11/4/22		10:15				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		AVG Temp °C		
																4		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Project Information

Chain of Custody

Client: <u>1506</u>				Bill To				Lab Use Only				TAT			EPA Program								
Project: <u>Ashley Fry DM #11</u>				Attention:				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: <u>Greg Crabtree</u>				Address:				<u>E 211029</u>		<u>19094-0009</u>		<input checked="" type="checkbox"/>											
Address:				City, State, Zip				Analysis and Method															
City, State, Zip				Phone:				DRO, GRO, ORG by	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's							
Phone:				Email:				8015															
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks						
<u>15:40</u>	<u>11/2/22</u>	<u>S</u>	<u>1</u>	<u>STW3-3</u>	<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
<u>15:46</u>	<u>11/2/22</u>	<u>S</u>	<u>1</u>	<u>STW3-4</u>	<u>12</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
X																							
X																							
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																							
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>11/3/2022</u>		Time <u>13:32</u>		Received by: (Signature) <u>[Signature]</u>						Date <u>11-3-2022</u>				Time <u>1332</u>		Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>11-3-22</u>		Time <u>1615</u>		Received by: (Signature) <u>[Signature]</u>						Date <u>11/4/22</u>				Time <u>10:15</u>		Received on ice: <input checked="" type="checkbox"/> Y / N	
Relinquished by: (Signature) <u>[Signature]</u>						Date		Time		Received by: (Signature)						Date				Time		T1 _____ T2 _____ T3 _____	
AVG Temp °C <u>4</u>																							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 11/4/2022 10:44:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/04/22 10:15 Work Order ID: E211029
Phone: (575) 748-4217 Date Logged In: 11/04/22 10:14 Logged In By: Caitlin Christian
Email: Due Date: 11/04/22 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211029

Job Number: 19034-0009

Received: 11/4/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/7/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/7/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211029
Date Received: 11/4/2022 10:15:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2022 10:15:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/07/22 15:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
STW1 - 1	E211029-01A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 2	E211029-02A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 3	E211029-03A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW1 - 4	E211029-04A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 1	E211029-05A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 2	E211029-06A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 3	E211029-07A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW2 - 4	E211029-08A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 1	E211029-09A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 2	E211029-10A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 3	E211029-11A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.
STW3 - 4	E211029-12A	Soil	11/02/22	11/04/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 1

E211029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	7430	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 2

E211029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	9230	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 3

E211029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	4570	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW1 - 4

E211029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	52.9	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	6940	200	10	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 1

E211029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	602	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	278	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	ND	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 2

E211029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	0.0321	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0729	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.105	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	50.3	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	1270	100	5	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 3

E211029-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0679	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.0679	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	1010	50.0	2	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	645	100	2	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	ND	400	20	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW2 - 4

E211029-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	0.0650	0.0500	1	11/04/22	11/04/22	
Total Xylenes	0.0650	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	220	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	211	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	5370	400	20	11/04/22	11/04/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 1

E211029-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	0.0377	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	330	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	249	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	14600	400	20	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 2

E211029-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	279	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	197	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	13000	400	20	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 3

E211029-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	5430	100	5	11/04/22	11/07/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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STW3 - 4

E211029-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Benzene	ND	0.0250	1	11/04/22	11/04/22	
Ethylbenzene	ND	0.0250	1	11/04/22	11/04/22	
Toluene	ND	0.0250	1	11/04/22	11/04/22	
o-Xylene	ND	0.0250	1	11/04/22	11/04/22	
p,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2245057
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/22	11/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/22	11/04/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2245058
Chloride	6030	100	5	11/04/22	11/07/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245055-BLK1)

Prepared: 11/04/22 Analyzed: 11/07/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

LCS (2245055-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Benzene	6.15	0.0250	5.00		123	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.7	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	9.75	0.0500	10.0		97.5	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.61		8.00		108	70-130			

LCS Dup (2245055-BSD1)

Prepared: 11/04/22 Analyzed: 11/04/22

Benzene	6.02	0.0250	5.00		120	70-130	2.19	20	
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130	2.23	20	
Toluene	5.03	0.0250	5.00		101	70-130	2.23	20	
o-Xylene	4.78	0.0250	5.00		95.7	70-130	2.57	20	
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130	2.44	20	
Total Xylenes	14.3	0.0250	15.0		95.3	70-130	2.49	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245055-BLK1)

Prepared: 11/04/22 Analyzed: 11/07/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.32		8.00		78.9	70-130			

LCS (2245055-BS2)

Prepared: 11/04/22 Analyzed: 11/04/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.48		8.00		81.1	70-130			

LCS Dup (2245055-BSD2)

Prepared: 11/04/22 Analyzed: 11/04/22

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	9.40	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245057-BLK1)

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.1		50.0		114	50-200			

LCS (2245057-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike (2245057-MS1)

Source: E211029-10

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	462	25.0	250	279	73.2	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike Dup (2245057-MSD1)

Source: E211029-10

Prepared: 11/04/22 Analyzed: 11/04/22

Diesel Range Organics (C10-C28)	334	25.0	250	279	21.9	38-132	32.2	20	M2, R3
Surrogate: n-Nonane	54.4		50.0		109	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/7/2022 3:30:23PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2245058-BLK1)

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride ND 20.0

LCS (2245058-BS1)

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 252 20.0 250 101 90-110

Matrix Spike (2245058-MS1)

Source: E211029-01

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 7720 200 250 7430 117 80-120

Matrix Spike Dup (2245058-MSD1)

Source: E211029-01

Prepared: 11/04/22 Analyzed: 11/04/22

Chloride 7800 200 250 7430 150 80-120 1.04 20 M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/07/22 15:30

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>EOG</u> Project: <u>Achen Frey Dam #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E211029</u> Job Number <u>19034-0009</u> Analysis and Method				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
				DRG, GRO, ORO by 8015 <input checked="" type="checkbox"/> BTEX by 8021 <input checked="" type="checkbox"/> Chloride 300.0 <input checked="" type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> RCI <input type="checkbox"/> PCB's <input type="checkbox"/>				State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
14:10	11/2/22	S	1	STW 1-1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
14:19				STW 1-2	2											
14:26				STW 1-3	3											
14:34				STW 1-4	4											
14:49				STW 2-1	5											
14:59				STW 2-2	6											
15:10				STW 2-3	7											
15:15				STW 2-4	8											
15:25				STW 3-1	9											
15:32				STW 3-2	10											
X date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) _____ Date <u>11/3/2022</u> Time <u>13:32</u>						Received by: (Signature) _____ Date <u>11-3-22</u> Time <u>1332</u>						Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N				
Relinquished by: (Signature) _____ Date <u>11-3-22</u> Time <u>1615</u>						Received by: (Signature) _____ Date <u>11/4/22</u> Time <u>10:15</u>						T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Client: <u>1506</u>				Bill To				Lab Use Only				TAT			EPA Program								
Project: <u>Ashley Fry DM #11</u>				Attention:				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: <u>Greg Crabtree</u>				Address:				<u>E 211029</u>		<u>19094-0009</u>		<input checked="" type="checkbox"/>											
Address:				City, State, Zip				Analysis and Method															
City, State, Zip				Phone:				DRO, GRO, ORG by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's							
Phone:				Email:				State															
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Report due by:				<input checked="" type="checkbox"/>															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks						
<u>15:40</u>	<u>11/1/22</u>	<u>S</u>	<u>1</u>	<u>STW3-3</u>	<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
<u>15:46</u>	<u>11/2/22</u>	<u>S</u>	<u>1</u>	<u>STW3-4</u>	<u>12</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
X																							
X																							
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																							
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>11/3/2022</u>		Time <u>13:32</u>		Received by: (Signature) <u>[Signature]</u>						Date <u>11-3-2022</u>				Time <u>1332</u>		Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>11-3-22</u>		Time <u>1615</u>		Received by: (Signature) <u>[Signature]</u>						Date <u>11/4/22</u>				Time <u>10:15</u>		Received on ice: <input checked="" type="checkbox"/> Y / N	
Relinquished by: (Signature) <u>[Signature]</u>						Date		Time		Received by: (Signature)						Date				Time		T1 _____ T2 _____ T3 _____	
AVG Temp °C <u>4</u>																							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 11/4/2022 10:44:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/04/22 10:15 Work Order ID: E211029
Phone: (575) 748-4217 Date Logged In: 11/04/22 10:14 Logged In By: Caitlin Christian
Email: Due Date: 11/04/22 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211117

Job Number: 19034-0009

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/28/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211117
Date Received: 11/17/2022 3:58:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 3:58:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 09:27
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS6 - 1	E211117-01A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
CS6 - 2	E211117-02A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
CS6 - 3	E211117-03A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
CS6 - 4	E211117-04A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
NTW6 - 1	E211117-05A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
NTW6 - 2	E211117-06A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
NTW6 - 3	E211117-07A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
STW6 - 1	E211117-08A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
STW6 - 2	E211117-09A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
STW6 - 3	E211117-10A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.
STW6 - 4	E211117-11A	Soil	11/15/22	11/17/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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CS6 - 1

E211117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22
Toluene	ND	0.0250	1	11/19/22	11/20/22
o-Xylene	ND	0.0250	1	11/19/22	11/20/22
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22

<i>Surrogate: Bromofluorobenzene</i>	97.4 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.4 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	102 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22
<i>Surrogate: Bromofluorobenzene</i>	97.4 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.4 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	102 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22
<i>Surrogate: n-Nonane</i>	103 %	50-200		11/21/22	11/22/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2248014
Chloride	1890	20.0	1	11/21/22	11/21/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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CS6 - 2

E211117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	3800	40.0	2	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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CS6 - 3

E211117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	1030	20.0	1	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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CS6 - 4

E211117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	4450	40.0	2	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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NTW6 - 1

E211117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	3390	200	10	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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NTW6 - 2

E211117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/22/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	1390	20.0	1	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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NTW6 - 3

E211117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	122	20.0	1	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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STW6 - 1

E211117-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		99.5 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	10100	400	20	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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STW6 - 2

E211117-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	4280	40.0	2	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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STW6 - 3

E211117-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248014
Chloride	20.8	20.0	1	11/21/22	11/21/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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STW6 - 4

E211117-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	ND	20.0	1	11/21/22	11/22/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247120-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.469		0.500		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS (2247120-BS1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.4	70-130			
Total Xylenes	7.58	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

LCS Dup (2247120-BSD1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.47	0.0250	2.50		98.7	70-130	1.69	23	
Ethylbenzene	2.46	0.0250	2.50		98.6	70-130	0.365	27	
Toluene	2.48	0.0250	2.50		99.0	70-130	1.03	24	
o-Xylene	2.58	0.0250	2.50		103	70-130	0.963	27	
p,m-Xylene	4.95	0.0500	5.00		99.0	70-130	0.403	27	
Total Xylenes	7.53	0.0250	7.50		100	70-130	0.596	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247120-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.469		0.500		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS (2247120-BS2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	59.7	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS Dup (2247120-BSD2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130	2.96	20	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248005-BLK1)

Prepared: 11/21/22 Analyzed: 11/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.6		50.0		105	50-200			

LCS (2248005-BS1)

Prepared: 11/21/22 Analyzed: 11/22/22

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	50-200			

Matrix Spike (2248005-MS1)

Source: E211117-01

Prepared: 11/21/22 Analyzed: 11/22/22

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: <i>n</i> -Nonane	49.4		50.0		98.7	50-200			

Matrix Spike Dup (2248005-MSD1)

Source: E211117-01

Prepared: 11/21/22 Analyzed: 11/22/22

Diesel Range Organics (C10-C28)	331	25.0	250	ND	132	38-132	15.1	20	
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.1	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 9:27:02AM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248014-BLK1)

Prepared: 11/21/22 Analyzed: 11/21/22

Chloride ND 20.0

LCS (2248014-BS1)

Prepared: 11/21/22 Analyzed: 11/21/22

Chloride 257 20.0 250 103 90-110

LCS Dup (2248014-BSD1)

Prepared: 11/21/22 Analyzed: 11/23/22

Chloride 260 20.0 250 104 90-110 1.15 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 09:27
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT			EPA Program							
Project: <u>Achene Frac DU #11</u>		Attention:		Lab WOH#	Job Number	1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Greg Crabtree</u>		Address:		<u>E21117</u>	<u>19084-0009</u>				<input checked="" type="checkbox"/>							
Address:		City, State, Zip		Analysis and Method												
City, State, Zip		Phone:		DRD, DRD, DRD by	IRIS	ITEX by 8021	Chloride 300.0	VOC by 8260	Metal 6010	Full TCLP w/o HEP	Semi-Volatiles 8270	IC	PCB's	RCRA		
Email: <u>I. Garcia B, Hall G, Crabtree T, Knight</u>		Email:		State								<input checked="" type="checkbox"/>				
Report due by:				NM								CO	UT	AZ	TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRD, DRD, DRD by	IRIS	ITEX by 8021	Chloride 300.0	VOC by 8260	Metal 6010	Full TCLP w/o HEP	Semi-Volatiles 8270	IC	PCB's	Remarks
14:33	1/11/22	S	1	CS6-1	1	X	X	X								
14:39				CS6-2	2											
14:45				CS6-3	3											
14:56				CS6-4	4											
11:24				NTW6-1	5											
15:23				NTW6-2	6											
16:05				NTW6-3	7											
11:39				STW6-1	8											
15:34				STW6-2	9											
15:42				STW6-3	10											
x Vis ice in cooler																
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
		1/11/22	15:56			1/11/22	15:58	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4.0</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 7 of 2

Client: <u>GO 6</u>				Bill To				Lab Use Only				TAT				EPA Program						
Project: <u>Archer Energy Well</u>				Attention:				Lab WO# <u>E 21117</u>		Job Number <u>18034-0009</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Greg Crabtree</u>				Address:				Analysis and Method										RCRA				
Address:				City, State, Zip				DRO, GRO, ORD by 8015										State				
City, State, Zip				Phone:				BTEX by 8021										NM	CO	UT	AZ	TX
Phone:				Email:				Chloride 300.0										X				
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Report due by:				VOC by 8260														
								Metals 6010														
								Full TCLP w/o H&P														
								Semi-Volatiles 8270														
								H&P														
								PCB's														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													Remarks				
15:54	1/11/22	S	1	STW 6-4	11	X	X	X														
* vis. ice in cooler -13																						
date or time of collection is considered fraud and may be grounds for legal action.										Sampled by: <u>Isaac Garcia</u>					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N												
<u>[Signature]</u>			1/11/2022	15:56	<u>[Signature]</u>			1/11/22	15:58	T1 _____ T2 _____ T3 _____												
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	AVG Temp °C <u>4.0</u>												
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												
										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Envirotech Analytical Laboratory

Printed: 11/21/2022 10:42:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 11/17/22 15:58	Work Order ID: E211117
Phone: (575) 748-4217	Date Logged In: 11/18/22 08:11	Logged In By: Caitlin Christian
Email:	Due Date: 11/28/22 17:00 (5 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211118

Job Number: 19034-0009

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/28/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211118
Date Received: 11/17/2022 3:58:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 3:58:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 14:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NT1B 15	E211118-01A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT1B 16	E211118-02A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2B 17	E211118-03A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2B 18	E211118-04A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2W 6	E211118-05A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3B 11	E211118-06A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3B 12	E211118-07A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3W 6	E211118-08A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST2B 8	E211118-09A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST2W 6	E211118-10A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST3B 8	E211118-11A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST3W 6	E211118-12A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT1B 15

E211118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22
Toluene	ND	0.0250	1	11/19/22	11/20/22
o-Xylene	ND	0.0250	1	11/19/22	11/20/22
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22

<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	106 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22
<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	106 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22
<i>Surrogate: n-Nonane</i>	106 %	50-200		11/21/22	11/23/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	1210	20.0	1	11/21/22	11/22/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT1B 16
E211118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1070	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2B 17

E211118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	221	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	164	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	821	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2B 18

E211118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	2430	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2W 6
E211118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1300	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3B 11

E211118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	69.8	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1900	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3B 12

E211118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	284	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	241	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	968	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3W 6
E211118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	158	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	142	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	2070	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST2B 8

E211118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	197	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST2W 6
E211118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	923	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST3B 8

E211118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	4220	40.0	2	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST3W 6
E211118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	3070	40.0	2	11/21/22	11/22/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.40	0.0250	2.50		96.0	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.9	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2247121-BSD1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.26	0.0250	2.50		90.5	70-130	5.92	23	
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130	7.36	27	
Toluene	2.28	0.0250	2.50		91.3	70-130	6.84	24	
o-Xylene	2.28	0.0250	2.50		91.0	70-130	4.68	27	
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130	5.44	27	
Total Xylenes	6.82	0.0250	7.50		90.9	70-130	5.19	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS Dup (2247121-BSD2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	4.95	20	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248004-BLK1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2248004-BS1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2248004-MS1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike Dup (2248004-MSD1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248015-BLK1)

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride ND 20.0

LCS (2248015-BS1)

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 245 20.0 250 98.2 90-110

Matrix Spike (2248015-MS1)

Source: E211118-01

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 1450 20.0 250 1210 94.7 80-120

Matrix Spike Dup (2248015-MSD1)

Source: E211118-01

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 1490 20.0 250 1210 111 80-120 2.83 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 14:39
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>EOG</u>				Bill To				Lab Use Only				TAT				EPA Program						
Project: <u>Achen Frye Dr #11</u>				Attention:				Lab WO# <u>EZ11118</u>		Job Number <u>19034-0009</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Greg Crabtree</u>				Address:				Analysis and Method										RCRA				
Address:				City, State, Zip														X				
City, State, Zip				Phone:														State				
Phone:				Email:														NM	CO	UT	AZ	TX
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Report due by:														X				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GRD, ORG by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RO	PCP's	Remarks							
13:57	11/16/22	S	1	NT1 B 15	1	X	X	X														
13:59				NT1 B 16	2																	
14:02				NT2 B 17	3																	
14:04				NT2 B 18	4																	
14:09				NT2 W 6	5																	
14:11				NT3 B 11	6																	
14:14				NT3 B 12	7																	
14:18				NT3 W 4	8																	
14:26				ST2 B 8	9																	
14:29				ST2 W 6	10																	
* Vis. ice in cooler - m																						
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Icar Garcia</u>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only														
<u>[Signature]</u>		11/17/22	15:56	<u>[Signature]</u>		11/17/22	15:58	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4.0</u>														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Project Information

Chain of Custody

Page 2 of 2

Client: <u>EOG</u>		Project: <u>Dechen Energy Deal</u>		Project Manager: <u>Greg Crabtree</u>		Address:		City, State, Zip		Phone:		Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>		Report due by:			
Bill To						Lab Use Only		TAT				EPA Program					
Attention:						Lab WO# <u>E21118</u>		Job Number <u>16034-0002</u>		1D	2D	3D	Standard	CWA	SDWA		
Address:						Analysis and Method											
City, State, Zip						<input type="checkbox"/> DRG, GHO, GHO by 8015 <input type="checkbox"/> BITEX by 8021 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> NO <input type="checkbox"/> PCB's											
Phone:						<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX											
Email:						<input checked="" type="checkbox"/> RCRA <input checked="" type="checkbox"/> State											
Sample ID						Remarks											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GHO, GHO by 8015	BITEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	NO	PCB's	Remarks		
14:36	1/11/22	S	1	ST3 B 8	11	<	<	x									
14:39	1/11/22	S	1	ST3 W 6	12	x	x	y									
x vs. ice in cooler - u																	
date or time of collection is considered fraud and may be grounds for legal action. <small>Sampled by: Isaac Garcia</small>																	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
		1/11/22	15:56			1/17/22	15:58	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4.0</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 11/18/2022 1:28:30PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/17/22 15:58 Work Order ID: E211118
Phone: (575) 748-4217 Date Logged In: 11/18/22 08:13 Logged In By: Caitlin Christian
Email: Due Date: 11/28/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211119

Job Number: 19034-0009

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/28/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211119
Date Received: 11/17/2022 3:58:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 3:58:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 17:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS294 - 6	E211119-01A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS295 - 6	E211119-02A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS282 - 6	E211119-03A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS283 - 6	E211119-04A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS305 - 6	E211119-05A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS306 - 6	E211119-06A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS342 - 6	E211119-07A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS294 - 6

E211119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22
Toluene	ND	0.0250	1	11/19/22	11/20/22
o-Xylene	ND	0.0250	1	11/19/22	11/20/22
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22

<i>Surrogate: Bromofluorobenzene</i>	97.2 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	105 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22
<i>Surrogate: Bromofluorobenzene</i>	97.2 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	105 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	1990	250	10	11/21/22	11/23/22
Oil Range Organics (C28-C36)	2280	500	10	11/21/22	11/23/22
<i>Surrogate: n-Nonane</i>	99.8 %	50-200		11/21/22	11/23/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2248011
Chloride	1160	20.0	1	11/21/22	11/24/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS295 - 6

E211119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	375	50.0	2	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	633	100	2	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	ND	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS282 - 6

E211119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248011
Chloride	1130	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS283 - 6

E211119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	811	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS305 - 6

E211119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	689	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS306 - 6

E211119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	843	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS342 - 6

E211119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	316	20.0	1	11/21/22	11/24/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.40	0.0250	2.50		96.0	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.9	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2247121-BSD1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.26	0.0250	2.50		90.5	70-130	5.92	23	
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130	7.36	27	
Toluene	2.28	0.0250	2.50		91.3	70-130	6.84	24	
o-Xylene	2.28	0.0250	2.50		91.0	70-130	4.68	27	
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130	5.44	27	
Total Xylenes	6.82	0.0250	7.50		90.9	70-130	5.19	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS Dup (2247121-BSD2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	4.95	20	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248004-BLK1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2248004-BS1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2248004-MS1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike Dup (2248004-MSD1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248011-BLK1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride ND 20.0

LCS (2248011-BS1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 271 20.0 250 109 90-110

Matrix Spike (2248011-MS1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 290 20.0 250 ND 116 80-120

Matrix Spike Dup (2248011-MSD1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 295 20.0 250 ND 118 80-120 1.49 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 17:39
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 5

Client: <u>COG</u> Project: <u>Ashen Frog Dam #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WOH# <u>E21119</u> Job Number <u>19034-0009</u> Analysis and Method DRO, GRO, ORO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 H&P PCB's				TAT 1D 2D 3D Standard <input checked="" type="checkbox"/>			EPA Program CWA SDWA RCRA <input checked="" type="checkbox"/> State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	H&P	PCB's	Remarks	
17:56	1/1/16/22	S	1	CS 294-6	1	X	X	Y								
15:00				CS 295-6	2											
14:49				CS 282-6	3											
14:53				CS 283-6	4											
15:05				CS-305-6	5											
15:08				CS 306-6	6											
15:16				CS 342-6	7											
* vs. ice in cooler																
date or time of collection is considered fraud and may be grounds for legal action.																
Relinquished by: (Signature) _____ Date: <u>1/1/2022</u> Time: <u>12:52</u> Received by: (Signature) <u>Juan Garcia</u> Date: <u>1/1/22</u> Time: <u>15:58</u>																
Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Date: _____ Time: _____																
Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Date: _____ Time: _____																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Envirotech Analytical Laboratory

Printed: 11/18/2022 1:33:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/17/22 15:58 Work Order ID: E211119
Phone: (575) 748-4217 Date Logged In: 11/18/22 08:14 Logged In By: Caitlin Christian
Email: Due Date: 11/28/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211063

Job Number: 19034-0009

Received: 11/11/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/16/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/16/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211063
Date Received: 11/11/2022 8:49:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2022 8:49:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

EOG Resources
104 South 4th Street
Artesia NM, 88210

Project Name: Achen Frey DM #11
Project Number: 19034-0009
Project Manager: Greg Crabtree

Reported:
11/16/22 17:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS4-1	E211063-01A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS4-2	E211063-02A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS4-3	E211063-03A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS4-4	E211063-04A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS5-1	E211063-05A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS5-2	E211063-06A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS5-3	E211063-07A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
CS5-4	E211063-08A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 4-1	E211063-09A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 4-2	E211063-10A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 4-3	E211063-11A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 4-4	E211063-12A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 5-1	E211063-13A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 5-2	E211063-14A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 5-3	E211063-15A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
NTW 5-4	E211063-16A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 4-1	E211063-17A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 4-2	E211063-18A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 4-3	E211063-19A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 4-4	E211063-20A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 5-1	E211063-21A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 5-2	E211063-22A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 5-3	E211063-23A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
STW 5-4	E211063-24A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS4-1

E211063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY	Batch: 2246069	
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY	Batch: 2246069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2246081	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2246087	
Chloride	676	20.0	1	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS4-2

E211063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	494	20.0	1	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS4-3

E211063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	29.3	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	1270	20.0	1	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS4-4

E211063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	406	20.0	1	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS5-1

E211063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	5280	100	5	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS5-2

E211063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	6100	100	5	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS5-3

E211063-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	7340	100	5	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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CS5-4

E211063-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/14/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	7750	200	10	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 4-1

E211063-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	7610	400	20	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 4-2

E211063-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.3 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	3280	40.0	2	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 4-3

E211063-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	3320	40.0	2	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 4-4

E211063-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	740	20.0	1	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 5-1

E211063-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	1430	40.0	2	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 5-2

E211063-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		128 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	1250	40.0	2	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 5-3

E211063-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	3420	100	5	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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NTW 5-4

E211063-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	208	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	140	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	8080	400	20	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 4-1

E211063-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	3890	40.0	2	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 4-2

E211063-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	8110	100	5	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 4-3

E211063-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	ND	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/14/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	7180	200	10	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 4-4

E211063-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Benzene	ND	0.0250	1	11/11/22	11/14/22	
Ethylbenzene	0.122	0.0250	1	11/11/22	11/14/22	
Toluene	ND	0.0250	1	11/11/22	11/14/22	
o-Xylene	0.0705	0.0250	1	11/11/22	11/14/22	
p,m-Xylene	0.112	0.0500	1	11/11/22	11/14/22	
Total Xylenes	0.183	0.0250	1	11/11/22	11/14/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246081
Diesel Range Organics (C10-C28)	1550	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	1110	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246087
Chloride	11900	400	20	11/11/22	11/15/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 5-1

E211063-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	5290	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 5-2

E211063-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	8390	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 5-3

E211063-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	1390	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	641	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		141 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	9200	400	20	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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STW 5-4

E211063-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	0.125	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	0.0756	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	0.115	0.0500	1	11/11/22	11/15/22	
Total Xylenes	0.191	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	3190	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	1400	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		132 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	8610	400	20	11/11/22	11/16/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246069-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

LCS (2246069-BS1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	5.00	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

LCS Dup (2246069-BSD1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	5.24	0.0250	5.00		105	70-130	4.82	20	
Ethylbenzene	5.32	0.0250	5.00		106	70-130	5.16	20	
Toluene	5.42	0.0250	5.00		108	70-130	4.95	20	
o-Xylene	5.47	0.0250	5.00		109	70-130	5.49	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	5.32	20	
Total Xylenes	16.3	0.0250	15.0		109	70-130	5.38	20	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246071-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			

LCS (2246071-BS1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.30	0.0250	5.00		106	70-130			
Toluene	5.41	0.0250	5.00		108	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

LCS Dup (2246071-BSD1)

Prepared: 11/11/22 Analyzed: 11/15/22

Benzene	4.82	0.0250	5.00		96.5	70-130	7.88	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	7.63	20	
Toluene	5.01	0.0250	5.00		100	70-130	7.72	20	
o-Xylene	5.03	0.0250	5.00		101	70-130	7.74	20	
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130	7.48	20	
Total Xylenes	15.0	0.0250	15.0		99.8	70-130	7.57	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246069-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

LCS (2246069-BS2)

Prepared: 11/11/22 Analyzed: 11/14/22

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			

LCS Dup (2246069-BSD2)

Prepared: 11/11/22 Analyzed: 11/14/22

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.7	70-130	10.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246071-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

LCS (2246071-BS2)

Prepared: 11/11/22 Analyzed: 11/15/22

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS Dup (2246071-BSD2)

Prepared: 11/11/22 Analyzed: 11/15/22

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130	1.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2246081-BLK1)

Prepared: 11/14/22 Analyzed: 11/14/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	50-200			

LCS (2246081-BS1)

Prepared: 11/14/22 Analyzed: 11/14/22

Diesel Range Organics (C10-C28)	244	25.0	250		97.7	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

Matrix Spike (2246081-MS1)

Source: E211063-16

Prepared: 11/14/22 Analyzed: 11/14/22

Diesel Range Organics (C10-C28)	372	25.0	250	208	65.6	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike Dup (2246081-MSD1)

Source: E211063-16

Prepared: 11/14/22 Analyzed: 11/14/22

Diesel Range Organics (C10-C28)	379	25.0	250	208	68.3	38-132	1.80	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2246083-BLK1)

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.0		50.0		118	50-200			

LCS (2246083-BS1)

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2246083-MS1)

Source: E211065-10

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	63.4		50.0		127	50-200			

Matrix Spike Dup (2246083-MSD1)

Source: E211065-10

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	3.90	20	
Surrogate: n-Nonane	65.8		50.0		132	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2246087-BLK1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	ND	20.0							
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LCS (2246087-BS1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	260	20.0	250		104	90-110			
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Matrix Spike (2246087-MS1)

Source: E211063-09

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	7360	400	250	7610	NR	80-120			M4
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Matrix Spike Dup (2246087-MSD1)

Source: E211063-09

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	7410	400	250	7610	NR	80-120	0.676	20	M4
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QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 5:32:51PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2246089-BLK1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	ND	20.0							
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LCS (2246089-BS1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	250	20.0	250		100	90-110			
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Matrix Spike (2246089-MS1)

Source: E211062-22

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	278	20.0	250	25.3	101	80-120			
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Matrix Spike Dup (2246089-MSD1)

Source: E211062-22

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	279	20.0	250	25.3	102	80-120	0.328	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/22 17:32
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- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: <u>BOG</u> Project: <u>Achen Ferry Dam #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E211003</u> Job Number <u>14034-0009</u> Analysis and Method DIRC, GRG, ORG by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RCI PCB's				TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DIRC, GRG, ORG by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks	
8:20	11/19/22	S	1	CS4-1	1	X	X	X								
8:28				CS4-2	2											
8:43				CS4-3	3											
8:50				CS4-4	4											
8:57				CS5-1	5											
9:13				CS5-2	6											
9:19				CS5-3	7											
9:26				CS5-4	8											
11:55				^{ag} NTW4-1	9											
12:15				NTW4-2	10											
X date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																
Relinquished by: (Signature) _____ Date <u>11/11/2022</u> Time <u>8:48</u>						Received by: (Signature) <u>Casthen Chute</u> Date <u>11/11/22</u> Time <u>8:49</u>						Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 2 of 3

Client: <u>EOG</u> Project: <u>Achen Field DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E 211003</u> Job Number <u>1908-0009</u>				TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input checked="" type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/>				
Analysis and Method DRO, GRO, ORO by 8015 <input checked="" type="checkbox"/> BTEX by 8021 <input checked="" type="checkbox"/> Chloride 300.0 <input checked="" type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> RCI <input type="checkbox"/> PCB's <input type="checkbox"/>										State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>		RCRA <input checked="" type="checkbox"/>							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks				
12:22	1/19/22	S	1	NTW 4-3	11	X	X	X											
12:30				NTW 4-4	12														
12:39				NTW 5-1	13														
12:50				NTW 5-2	14														
12:59				NTW 5-3	15														
13:05				NTW 5-4	16														
14:01				STW 4-1	17														
14:13				STW 4-2	18														
14:31				STW 4-3	19														
14:33				STW 4-4	20														
X X date or time of collection is considered fraud and may be grounds for legal action.																			
Relinquished by: (Signature) _____ Date <u>1/11/2022</u> Time <u>8:48</u>										Received by: (Signature) <u>Isaac Garcia</u> Date <u>1/11/22</u> Time <u>8:49</u>					Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Client: <u>COG</u> Project: <u>Achen Frey DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E211003</u> Job Number <u>19034-0009</u> Analysis and Method DIRO, GFO, ORO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RCI PCB's				TAT 1D 2D 3D Standard X EPA Program CWA SDWA RCRA X State NM CO UT AZ TX X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DIRO, GFO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks
15:04	11/9/22	S	1	STW 5-1	21	X	X	X							
15:13	↓	↓	↓	STW 5-2	22	↓	↓	↓							
15:25	↓	↓	↓	STW 5-3	23	↓	↓	↓							
15:42	↓	↓	↓	STW 5-4	24	↓	↓	↓							
X date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u> Relinquished by: (Signature) _____ Date <u>11/11/2022</u> Time <u>8:48</u> Received by: (Signature) <u>Isaac Garcia</u> Date <u>11/11/22</u> Time <u>8:49</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Envirotech Analytical Laboratory

Printed: 11/11/2022 1:20:49PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/11/22 08:49 Work Order ID: E211063
Phone: (575) 748-4217 Date Logged In: 11/11/22 09:37 Logged In By: Caitlin Christian
Email: Due Date: 11/16/22 17:00 (3 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211065

Job Number: 19034-0009

Received: 11/11/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/16/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/16/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211065
Date Received: 11/11/2022 8:49:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2022 8:49:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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labadmin@envirotech-inc.com

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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/22 16:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
ST1B 11	E211065-01A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST1W 4	E211065-02A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST1W 5	E211065-03A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST2B 6	E211065-04A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST2B 7	E211065-05A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST2W 4	E211065-06A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST2W 5	E211065-07A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST3B 6	E211065-08A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST3B 7	E211065-09A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST3W 4	E211065-10A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.
ST3W 5	E211065-11A	Soil	11/10/22	11/11/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST1B 11

E211065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY	Batch: 2246071	
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY	Batch: 2246071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2246083	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2246089	
Chloride	1150	20.0	1	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST1W 4
E211065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	217	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	139	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	1260	20.0	1	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST1W 5
E211065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	81.2	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	3060	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST2B 6

E211065-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	249	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	111	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	1380	20.0	1	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST2B 7

E211065-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	2490	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST2W 4

E211065-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	2740	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST2W 5

E211065-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	5090	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST3B 6

E211065-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	76.0	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	4750	100	5	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST3B 7

E211065-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	488	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	314	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		141 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	4090	100	5	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST3W 4

E211065-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	3640	40.0	2	11/11/22	11/16/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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ST3W 5

E211065-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Benzene	ND	0.0250	1	11/11/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/11/22	11/15/22	
Toluene	ND	0.0250	1	11/11/22	11/15/22	
o-Xylene	ND	0.0250	1	11/11/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2246083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/15/22	
<i>Surrogate: n-Nonane</i>						
		126 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2246089
Chloride	6710	200	10	11/11/22	11/16/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246071-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			

LCS (2246071-BS1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.30	0.0250	5.00		106	70-130			
Toluene	5.41	0.0250	5.00		108	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

LCS Dup (2246071-BSD1)

Prepared: 11/11/22 Analyzed: 11/15/22

Benzene	4.82	0.0250	5.00		96.5	70-130	7.88	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	7.63	20	
Toluene	5.01	0.0250	5.00		100	70-130	7.72	20	
o-Xylene	5.03	0.0250	5.00		101	70-130	7.74	20	
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130	7.48	20	
Total Xylenes	15.0	0.0250	15.0		99.8	70-130	7.57	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246071-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

LCS (2246071-BS2)

Prepared: 11/11/22 Analyzed: 11/15/22

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS Dup (2246071-BSD2)

Prepared: 11/11/22 Analyzed: 11/15/22

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130	1.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246083-BLK1)

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.0		50.0		118	50-200			

LCS (2246083-BS1)

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2246083-MS1)

Source: E211065-10

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	63.4		50.0		127	50-200			

Matrix Spike Dup (2246083-MSD1)

Source: E211065-10

Prepared: 11/14/22 Analyzed: 11/15/22

Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	3.90	20	
Surrogate: n-Nonane	65.8		50.0		132	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/2022 4:25:48PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2246089-BLK1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	ND	20.0							
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LCS (2246089-BS1)

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	250	20.0	250		100	90-110			
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Matrix Spike (2246089-MS1)

Source: E211062-22

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	278	20.0	250	25.3	101	80-120			
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Matrix Spike Dup (2246089-MSD1)

Source: E211062-22

Prepared: 11/11/22 Analyzed: 11/15/22

Chloride	279	20.0	250	25.3	102	80-120	0.328	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/16/22 16:25
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 3 of 4

Client: <u>E06</u> Project: <u>Achen Fry DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E2110405</u> Job Number <u>14034-0009</u> Analysis and Method				TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA X State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, PRO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCBs	Remarks		
9:36	11/10/22	S	1	ST1B11	1	X	X	X									
9:41				ST1W4	2												
9:43				ST1W5	3												
9:50				ST2B6	4												
9:52				ST2B7	5												
9:55				ST2W4	6												
9:58				ST2W5	7												
10:06				ST3B6	8												
10:09				ST3B7	9												
10:12				ST3W4	10												
X Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 11/11/2022 1:33:19PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 11/11/22 08:49	Work Order ID: E211065
Phone: (575) 748-4217	Date Logged In: 11/11/22 09:40	Logged In By: Caitlin Christian
Email:	Due Date: 11/16/22 17:00 (3 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E211064 & E211065.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211118

Job Number: 19034-0009

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/28/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211118
Date Received: 11/17/2022 3:58:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 3:58:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 14:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NT1B 15	E211118-01A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT1B 16	E211118-02A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2B 17	E211118-03A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2B 18	E211118-04A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT2W 6	E211118-05A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3B 11	E211118-06A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3B 12	E211118-07A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
NT3W 6	E211118-08A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST2B 8	E211118-09A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST2W 6	E211118-10A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST3B 8	E211118-11A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
ST3W 6	E211118-12A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT1B 15

E211118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22
Toluene	ND	0.0250	1	11/19/22	11/20/22
o-Xylene	ND	0.0250	1	11/19/22	11/20/22
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22

<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	106 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22
<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		11/19/22	11/20/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		11/19/22	11/20/22
<i>Surrogate: Toluene-d8</i>	106 %	70-130		11/19/22	11/20/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22
<i>Surrogate: n-Nonane</i>	106 %	50-200		11/21/22	11/23/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	1210	20.0	1	11/21/22	11/22/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT1B 16
E211118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1070	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2B 17

E211118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	221	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	164	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	821	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2B 18

E211118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	2430	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT2W 6
E211118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1300	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3B 11

E211118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	69.8	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	1900	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3B 12

E211118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	284	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	241	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	968	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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NT3W 6
E211118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>						
		99.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		96.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>						
		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>						
		99.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		96.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>						
		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	158	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	142	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	2070	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST2B 8

E211118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	197	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST2W 6

E211118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248015
Chloride	923	20.0	1	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST3B 8

E211118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	4220	40.0	2	11/21/22	11/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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ST3W 6
E211118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248015
Chloride	3070	40.0	2	11/21/22	11/22/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.40	0.0250	2.50		96.0	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.9	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2247121-BSD1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.26	0.0250	2.50		90.5	70-130	5.92	23	
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130	7.36	27	
Toluene	2.28	0.0250	2.50		91.3	70-130	6.84	24	
o-Xylene	2.28	0.0250	2.50		91.0	70-130	4.68	27	
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130	5.44	27	
Total Xylenes	6.82	0.0250	7.50		90.9	70-130	5.19	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS Dup (2247121-BSD2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	4.95	20	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248004-BLK1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2248004-BS1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2248004-MS1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike Dup (2248004-MSD1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 2:39:27PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2248015-BLK1)

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride ND 20.0

LCS (2248015-BS1)

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 245 20.0 250 98.2 90-110

Matrix Spike (2248015-MS1)

Source: E211118-01

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 1450 20.0 250 1210 94.7 80-120

Matrix Spike Dup (2248015-MSD1)

Source: E211118-01

Prepared: 11/21/22 Analyzed: 11/22/22

Chloride 1490 20.0 250 1210 111 80-120 2.83 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 14:39
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: <u>EOG</u>				Bill To				Lab Use Only				TAT			EPA Program				
Project: <u>Achen Frye Dr #11</u>								Attention:				Lab WO# <u>EZ11118</u>		Job Number <u>19034-0009</u>		1D	2D	3D	Standard
Project Manager: <u>Greg Crabtree</u>				Address:				Analysis and Method										RCRA	
Address:				City, State, Zip				<input type="checkbox"/> DRG, GRG, ORG by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> RO <input type="checkbox"/> PCB's										<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX	X
City, State, Zip				Phone:				State											
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>				Email:				<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX											
Report due by:								Remarks											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GRG, ORG by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RO	PCB's	Remarks				
13:57	11/16/22	S	1	NT1 B 15	1	X	X	X											
13:59				NT1 B 16	2														
14:02				NT2 B 17	3														
14:04				NT2 B 18	4														
14:09				NT2 W 6	5														
14:11				NT3 B 11	6														
14:14				NT3 B 12	7														
14:18				NT3 W 4	8														
14:26				ST2 B 8	9														
14:29				ST2 W 6	10														
* Vis. ice in cooler - m																			
date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Sampled by: <u>Icar Garcia</u>										Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____													
<u>[Signature]</u>	11/17/22	15:56	<u>[Signature]</u>	11/17/22	15:58	AVG Temp °C <u>4.0</u>													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 2 of 2

Client: <u>EOG</u>		Project: <u>Dechen Energy Deal</u>		Project Manager: <u>Greg Crabtree</u>		Address:		City, State, Zip		Phone:		Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>		Report due by:													
Bill To						Lab Use Only		TAT				EPA Program															
Attention:						Lab WO# <u>E21118</u>		Job Number <u>16034-0002</u>		1D	2D	3D	Standard	CWA	SDWA												
Address:						Analysis and Method																					
City, State, Zip						RCRA																					
Phone:						State																					
Email:						<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												NM	CO	UT	AZ	TX	X				
NM	CO	UT	AZ	TX																							
X																											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GHO, ORO by 8015	BTX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	NO	PCP's	Remarks												
14:36	1/11/22	S	1	ST3 B 8	11	<	<	x																			
14:39	1/11/22	S	1	ST3 W 6	12	x	x	y																			
x vs. ice in cooler - u																											
date or time of collection is considered fraud and may be grounds for legal action. * Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4.0</u>																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

Envirotech Analytical Laboratory

Printed: 11/18/2022 1:28:30PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/17/22 15:58 Work Order ID: E211118
Phone: (575) 748-4217 Date Logged In: 11/18/22 08:13 Logged In By: Caitlin Christian
Email: Due Date: 11/28/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E211119

Job Number: 19034-0009

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/28/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E211119
Date Received: 11/17/2022 3:58:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 3:58:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 17:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS294 - 6	E211119-01A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS295 - 6	E211119-02A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS282 - 6	E211119-03A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS283 - 6	E211119-04A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS305 - 6	E211119-05A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS306 - 6	E211119-06A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.
CS342 - 6	E211119-07A	Soil	11/16/22	11/17/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS294 - 6

E211119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>	97.2 %	70-130		11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>	97.2 %	70-130		11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130		11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	1990	250	10	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	2280	500	10	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>	99.8 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	1160	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS295 - 6

E211119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	375	50.0	2	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	633	100	2	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	ND	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS282 - 6

E211119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	1130	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS283 - 6

E211119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	811	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS305 - 6

E211119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	689	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS306 - 6

E211119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	843	20.0	1	11/21/22	11/24/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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CS342 - 6

E211119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Benzene	ND	0.0250	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	11/19/22	11/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	11/19/22	11/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2248004
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/24/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/21/22	11/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	316	20.0	1	11/21/22	11/24/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.40	0.0250	2.50		96.0	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.9	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2247121-BSD1)

Prepared: 11/19/22 Analyzed: 11/20/22

Benzene	2.26	0.0250	2.50		90.5	70-130	5.92	23	
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130	7.36	27	
Toluene	2.28	0.0250	2.50		91.3	70-130	6.84	24	
o-Xylene	2.28	0.0250	2.50		91.0	70-130	4.68	27	
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130	5.44	27	
Total Xylenes	6.82	0.0250	7.50		90.9	70-130	5.19	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247121-BLK1)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2247121-BS2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS Dup (2247121-BSD2)

Prepared: 11/19/22 Analyzed: 11/20/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	4.95	20	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248004-BLK1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2248004-BS1)

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2248004-MS1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike Dup (2248004-MSD1)

Source: E211118-04

Prepared: 11/21/22 Analyzed: 11/23/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/2022 5:39:35PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248011-BLK1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride ND 20.0

LCS (2248011-BS1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 271 20.0 250 109 90-110

Matrix Spike (2248011-MS1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 290 20.0 250 ND 116 80-120

Matrix Spike Dup (2248011-MSD1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 295 20.0 250 ND 118 80-120 1.49 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 11/28/22 17:39
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 5

Client: <u>COG</u> Project: <u>Ackon Ferry Dam #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WOH# <u>E21119</u> Job Number <u>19034-0009</u>				TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/>	
Analysis and Method DRO, GRO, ORO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> H&P <input type="checkbox"/> PCB's <input type="checkbox"/>										RCRA <input checked="" type="checkbox"/>		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>		Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	H&P	PCB's	Remarks		
14:56	1/1/16/22	S	1	CS 294-6	1	X	X	Y									
15:00				CS 295-6	2												
14:49				CS 282-6	3												
14:53				CS 283-6	4												
15:05				CS-305-6	5												
15:08				CS 306-6	6												
15:16				CS 342-6	7												
* vs. ice in cooler																	
date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4.0</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 11/18/2022 1:33:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 11/17/22 15:58 Work Order ID: E211119
Phone: (575) 748-4217 Date Logged In: 11/18/22 08:14 Logged In By: Caitlin Christian
Email: Due Date: 11/28/22 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E212020

Job Number: 19034-0009

Received: 12/5/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/6/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E212020
Date Received: 12/5/2022 8:10:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:10:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 17:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
260-6	E212020-01A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
258-6	E212020-02A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
396-6	E212020-03A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
386-6	E212020-04A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
376-6	E212020-05A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
377-6	E212020-06A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
387-6	E212020-07A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
388-6	E212020-08A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
398-6	E212020-09A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
389-6	E212020-10A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
379-6	E212020-11A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
294-8	E212020-12A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
394-6	E212020-13A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
399-6	E212020-14A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
360-6	E212020-15A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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260-6

E212020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	122	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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258-6

E212020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	523	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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396-6

E212020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	380	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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386-6

E212020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1010	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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376-6

E212020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1030	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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377-6

E212020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	110	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1930	40.0	2	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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387-6

E212020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	82.5	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1980	40.0	2	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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388-6

E212020-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	289	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	154	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1670	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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398-6

E212020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	78.3	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	2380	40.0	2	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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389-6

E212020-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	66.2	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1210	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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379-6

E212020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	97.4	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1470	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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294-8

E212020-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	422	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	320	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	523	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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394-6

E212020-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	45.7	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	863	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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399-6

E212020-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	46.5	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	528	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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360-6

E212020-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	649	20.0	1	12/05/22	12/05/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250011-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	ND	0.0250							
Ethylbenzene	0.0270	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

LCS (2250011-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.8	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			

LCS Dup (2250011-BSD1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.84	0.0250	5.00		96.9	70-130	4.59	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	3.74	20	
Toluene	5.10	0.0250	5.00		102	70-130	3.87	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	4.74	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	4.12	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	4.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250011-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

LCS (2250011-BS2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

LCS Dup (2250011-BSD2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130	9.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250004-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	64.0		50.0		128	50-200			

LCS (2250004-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
Surrogate: n-Nonane	62.0		50.0		124	50-200			

Matrix Spike (2250004-MS1)

Source: E212020-03

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.1	38-132			
Surrogate: n-Nonane	60.7		50.0		121	50-200			

Matrix Spike Dup (2250004-MSD1)

Source: E212020-03

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	2.48	20	
Surrogate: n-Nonane	61.8		50.0		124	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 5:17:18PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250005-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride ND 20.0

LCS (2250005-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 259 20.0 250 103 90-110

Matrix Spike (2250005-MS1)

Source: E212020-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 376 20.0 250 122 101 80-120

Matrix Spike Dup (2250005-MSD1)

Source: E212020-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 379 20.0 250 122 103 80-120 1.02 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 17:17
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 4 of 4

Client: <u>EDG</u>		Project: <u>Aches Ferry DM #11</u>		Project Manager: <u>Greg Crabtree</u>		Address:		City, State, Zip		Phone:		Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>		Report due by:	
Bill To						Lab Use Only		TAT			EPA Program				
Attention:						Lab WO# <u>E212020</u>		Job Number <u>19634-0009</u>			CWA		SDWA		
Address:						1D		2D			3D		Standard		
City, State, Zip						X									
Phone:						Analysis and Method									
Email:						DRG.GRO.GRO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RCRA PCB's									
						State NM CO UT AZ TX X									
						Remarks									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	8015	8021	300.0	8260	6010	H&P	8270	RCRA	PCB's	Remarks
13:03	12/1/22	S	1	379-6	11	X	X	X							
14:07				294-8	12										
14:12				394-6	13										
14:16				399-6	14										
14:18				360-6	15										
X															
X															
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>															
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>[Signature]</u>		12/1/22	19:23	<u>[Signature]</u>		12/5/22	8:10	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Envirotech Analytical Laboratory

Printed: 12/5/2022 12:06:40PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 12/05/22 08:10	Work Order ID: E212020
Phone: (575) 748-4217	Date Logged In: 12/05/22 08:19	Logged In By: Caitlin Christian
Email:	Due Date: 12/05/22 17:00 (0 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Project Achen Frey DM #11 has been separated into 2 reports due to sample volume. Workorders are as follows: E212019 & E212020.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Project Information

Chain of Custody

Client: <u>EB6</u> Project: <u>Arden Fox NM 411</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E212020</u> Job Number <u>19084-0009</u> Analysis and Method DRD, GRO, ORO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RC PCB's				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/> EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRD, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	Remarks
11:31	12/1/22	S	1	260-6	1	X	X	X							
11:34				255-6 26 258-6	2										Client changed sample name 12/6/22
12:36				396-6	3										
12:40				386-6	4										
12:45				376-6	5										
12:48				377-6	6										
12:51				387-6	7										
12:54				388-6	8										
12:57				388-6	9										
13:00				389-6	10										
x date or time of collection is considered fraud and may be grounds for legal action.															
Relinquished by: (Signature) _____ Date <u>12/1/22</u> Time _____ Relinquished by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____															
Received by: (Signature) <u>Isaac Garcia</u> Date <u>12/5/22</u> Time <u>8:10</u> Received by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____															
Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

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Project Information

Chain of Custody

Page 4 of 4

Client: <u>EOG</u> Project: <u>Adrian Ferry DM #11</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E212020</u> Job Number <u>19634-0009</u> Analysis and Method DRG, GRO, ORO by 8015 BTEX by 8021 Chloride 300.0 VOC by 8260 Metals 6010 Full TCLP w/o H&P Semi-Volatiles 8270 RC PCB's				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>	
State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>						Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRG, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	Remarks	
13:03	12/1/22	S	1	379-6	11	X	X	X								
14:07				294-8	12											
14:12				394-6	13											
14:16				399-6	14											
14:18				360-6	15											
X date or time of collection is considered fraud and may be grounds for legal action.																
Relinquished by: (Signature) <u>[Signature]</u> Date <u>12/1/22</u> Time <u>19:23</u>										Received by: (Signature) <u>[Signature]</u> Date <u>12/5/22</u> Time <u>8:10</u>						
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____						
Relinquished by: (Signature) _____ Date _____ Time _____										Received by: (Signature) _____ Date _____ Time _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

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Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E212019

Job Number: 19034-0009

Received: 12/5/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/6/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E212019
Date Received: 12/5/2022 8:10:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:10:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 16:15
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
351-6	E212019-01A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
352-6	E212019-02A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
349-6	E212019-03A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
347-6	E212019-04A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
348-6	E212019-05A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
345-6	E212019-06A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
343-6	E212019-07A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
341-6	E212019-08A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
339-6	E212019-09A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
340-6	E212019-10A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
337-6	E212019-11A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
329-6	E212019-12A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
327-6	E212019-13A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
328-6	E212019-14A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
325-6	E212019-15A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
326-6	E212019-16A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
321-6	E212019-17A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
322-6	E212019-18A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
363-6	E212019-19A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.
362-6	E212019-20A	Soil	12/01/22	12/05/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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351-6

E212019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22
Toluene	ND	0.0250	1	12/05/22	12/05/22
o-Xylene	ND	0.0250	1	12/05/22	12/05/22
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22

<i>Surrogate: Bromofluorobenzene</i>	94.1 %	70-130		12/05/22	12/05/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.3 %	70-130		12/05/22	12/05/22
<i>Surrogate: Toluene-d8</i>	102 %	70-130		12/05/22	12/05/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22
<i>Surrogate: Bromofluorobenzene</i>	94.1 %	70-130		12/05/22	12/05/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.3 %	70-130		12/05/22	12/05/22
<i>Surrogate: Toluene-d8</i>	102 %	70-130		12/05/22	12/05/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22
<i>Surrogate: n-Nonane</i>	95.3 %	50-200		12/05/22	12/05/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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352-6

E212019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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349-6

E212019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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347-6

E212019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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348-6

E212019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	125	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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345-6

E212019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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343-6

E212019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.0 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.0 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	33.6	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	77.1	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	275	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	286	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	89.4	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	99.5	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	63.2	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	2340	40.0	2	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	26.1	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	1570	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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E212019-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	301	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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322-6

E212019-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	2350	40.0	2	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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363-6

E212019-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		94.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		94.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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362-6

E212019-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		123 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: Bromofluorobenzene</i>		123 %	70-130	12/05/22	12/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	12/05/22	12/05/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250008
Chloride	ND	20.0	1	12/05/22	12/05/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250007-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

LCS (2250007-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	2.21	0.0250	2.50		88.5	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.9	70-130			
Toluene	2.25	0.0250	2.50		89.8	70-130			
o-Xylene	2.21	0.0250	2.50		88.3	70-130			
p,m-Xylene	4.37	0.0500	5.00		87.5	70-130			
Total Xylenes	6.58	0.0250	7.50		87.8	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2250007-BSD1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	2.05	0.0250	2.50		81.9	70-130	7.70	23	
Ethylbenzene	2.19	0.0250	2.50		87.6	70-130	5.88	27	
Toluene	2.13	0.0250	2.50		85.4	70-130	5.11	24	
o-Xylene	2.08	0.0250	2.50		83.1	70-130	6.11	27	
p,m-Xylene	4.14	0.0500	5.00		82.7	70-130	5.56	27	
Total Xylenes	6.21	0.0250	7.50		82.9	70-130	5.74	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250007-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

LCS (2250007-BS2)

Prepared: 12/05/22 Analyzed: 12/05/22

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2250007-BSD2)

Prepared: 12/05/22 Analyzed: 12/05/22

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130	2.86	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250003-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS (2250003-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			

Matrix Spike (2250003-MS1)

Source: E212019-18

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike Dup (2250003-MSD1)

Source: E212019-18

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.4	38-132	18.7	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 4:15:58PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250008-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride ND 20.0

LCS (2250008-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 260 20.0 250 104 90-110

Matrix Spike (2250008-MS1)

Source: E212019-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 258 20.0 250 ND 103 80-120

Matrix Spike Dup (2250008-MSD1)

Source: E212019-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 261 20.0 250 ND 104 80-120 1.19 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 16:15
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 4

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT			EPA Program										
Project: <u>Richard Ford DMU #11</u>		Attention:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA								
Project Manager: <u>Greg Crabtree</u>		Address:		<u>E212019</u>	<u>19094-0009</u>	<input checked="" type="checkbox"/>													
Address:		City, State, Zip		Analysis and Method															
City, State, Zip		Phone:		DRO, GRO, ORO by	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	RCRA						
Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u>		Email:											State						
Report due by:													NM	CO	UT	AZ	TX		
													<input checked="" type="checkbox"/>					Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's				Remarks	
10:22	12/1/22	S	1	357-6	1	X	X	X											
10:37				352-6	2														
10:40				349-6	3														
10:43				347-6	4														
10:46				348-6	5														
10:49				345-6	6														
10:51				343-6	7														
10:54				341-6	8														
10:56				339-6	9														
10:59				340-6	10														
date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Lab Use Only							
<u>[Signature]</u>				12/1/22	14:23	<u>[Signature]</u>				12/5/22	8:10	Received on ice: <input checked="" type="checkbox"/> N							
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	T1 _____ T2 _____ T3 _____							
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	AVG Temp °C <u>4</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 2 of 4

Client: <u>E06</u> Project: <u>Achen Frey DM #1</u> Project Manager: <u>Greg Crabtree</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>I. Garcia B. Hall G. Crabtree T. Knight</u> Report due by: _____				Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>E212019</u> Job Number <u>190X-0009</u> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/> Analysis and Method DRO, GRO, ORO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Full TCLP w/o H&P <input type="checkbox"/> Semi-Volatiles 8270 <input type="checkbox"/> RC <input type="checkbox"/> PCB's <input type="checkbox"/>				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>		EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RC	PCB's	State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	Remarks
11:02	12/1/22	S	1	337-6	11	X	X	X								
11:05				329-6	12											
11:08				327-6	13											
11:11				328-6	14											
11:14				325-6	15											
11:17				326-6	16											
11:19				321-6	17											
11:22				322-6	18											
11:24				363-6	19											
11:27				362-6	20											
X date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u> Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Envirotech Analytical Laboratory

Printed: 12/5/2022 12:04:23PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 12/05/22 08:10	Work Order ID: E212019
Phone: (575) 748-4217	Date Logged In: 12/05/22 08:19	Logged In By: Caitlin Christian
Email:	Due Date: 12/05/22 17:00 (0 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Project Achen Frey DM #11 has been separated into 2 reports due to sample volume. Workorders are as follows: E212019 & E212020.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E212021

Job Number: 19034-0009

Received: 12/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/6/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E212021
Date Received: 12/5/2022 8:10:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:10:00AM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Raina Schwanz
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 15:29
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
336-14	E212021-01A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
334-14	E212021-02A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
334/336 W.Wall	E212021-03A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
334/336 N.Wall	E212021-04A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
373-6	E212021-05A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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336-14

E212021-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1020	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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334-14

E212021-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	403	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	148	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	416	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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334/336 W.Wall

E212021-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	1270	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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334/336 N.Wall

E212021-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	264	20.0	1	12/05/22	12/05/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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373-6

E212021-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/06/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2250005
Chloride	2110	40.0	2	12/05/22	12/05/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250011-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	ND	0.0250							
Ethylbenzene	0.0270	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

LCS (2250011-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.8	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			

LCS Dup (2250011-BSD1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.84	0.0250	5.00		96.9	70-130	4.59	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	3.74	20	
Toluene	5.10	0.0250	5.00		102	70-130	3.87	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	4.74	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	4.12	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	4.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250011-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

LCS (2250011-BS2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

LCS Dup (2250011-BSD2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130	9.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250004-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	64.0		50.0		128	50-200			

LCS (2250004-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
Surrogate: <i>n</i> -Nonane	62.0		50.0		124	50-200			

Matrix Spike (2250004-MS1)

Source: E212020-03

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.1	38-132			
Surrogate: <i>n</i> -Nonane	60.7		50.0		121	50-200			

Matrix Spike Dup (2250004-MSD1)

Source: E212020-03

Prepared: 12/05/22 Analyzed: 12/05/22

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	2.48	20	
Surrogate: <i>n</i> -Nonane	61.8		50.0		124	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/6/2022 3:29:40PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250005-BLK1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride ND 20.0

LCS (2250005-BS1)

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 259 20.0 250 103 90-110

Matrix Spike (2250005-MS1)

Source: E212020-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 376 20.0 250 122 101 80-120

Matrix Spike Dup (2250005-MSD1)

Source: E212020-01

Prepared: 12/05/22 Analyzed: 12/05/22

Chloride 379 20.0 250 122 103 80-120 1.02 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/06/22 15:29
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Envirotech Analytical Laboratory

Printed: 12/5/2022 12:09:53PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 12/05/22 08:10 Work Order ID: E212021
Phone: (575) 748-4217 Date Logged In: 12/05/22 08:20 Logged In By: Caitlin Christian
Email: Due Date: 12/05/22 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #011

Work Order: E212059

Job Number: 19034-0009

Received: 12/9/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/12/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #011
Workorder: E212059
Date Received: 12/9/2022 11:31:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2022 11:31:00AM, under the Project Name: Achen Frey DM #011.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #011 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/22 15:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
334/336 South Wall B	E212059-01A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.
334/336 South Wall A	E212059-02A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.
334/336 East Wall	E212059-03A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.
334/336 North Wall B	E212059-04A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.
334/336 Base	E212059-05A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.
446 B	E212059-06A	Soil	12/08/22	12/09/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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334/336 South Wall B

E212059-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	794	500	20	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	1060	1000	20	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>						
		92.5 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	1640	200	10	12/09/22	12/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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334/336 South Wall A

E212059-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	649	500	20	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	1000	20	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>		92.3 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	1760	20.0	1	12/09/22	12/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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334/336 East Wall

E212059-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	2820	20.0	1	12/09/22	12/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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334/336 North Wall B

E212059-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	3350	40.0	2	12/09/22	12/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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334/336 Base

E212059-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	3350	40.0	2	12/09/22	12/09/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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446 B

E212059-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Benzene	ND	0.0250	1	12/09/22	12/10/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/10/22	
Toluene	ND	0.0250	1	12/09/22	12/10/22	
o-Xylene	ND	0.0250	1	12/09/22	12/10/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/10/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250084
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	74.1	50.0	1	12/09/22	12/09/22	
<i>Surrogate: n-Nonane</i>		145 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2250089
Chloride	321	20.0	1	12/09/22	12/09/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250086-BLK1)

Prepared: 12/09/22 Analyzed: 12/09/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130			

LCS (2250086-BS1)

Prepared: 12/09/22 Analyzed: 12/09/22

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.41	0.0250	5.00		108	70-130			
o-Xylene	5.49	0.0250	5.00		110	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.55		8.00		107	70-130			

LCS Dup (2250086-BSD1)

Prepared: 12/09/22 Analyzed: 12/09/22

Benzene	5.43	0.0250	5.00		109	70-130	5.00	20	
Ethylbenzene	5.57	0.0250	5.00		111	70-130	4.51	20	
Toluene	5.68	0.0250	5.00		114	70-130	4.76	20	
o-Xylene	5.75	0.0250	5.00		115	70-130	4.56	20	
p,m-Xylene	11.3	0.0500	10.0		113	70-130	4.35	20	
Total Xylenes	17.0	0.0250	15.0		113	70-130	4.42	20	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250086-BLK1)

Prepared: 12/09/22 Analyzed: 12/09/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2250086-BS2)

Prepared: 12/09/22 Analyzed: 12/12/22

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			

LCS Dup (2250086-BSD2)

Prepared: 12/09/22 Analyzed: 12/09/22

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130	9.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250084-BLK1)

Prepared: 12/09/22 Analyzed: 12/09/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2250084-BS1)

Prepared: 12/09/22 Analyzed: 12/09/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			

Matrix Spike (2250084-MS1)

Source: E212055-05

Prepared: 12/09/22 Analyzed: 12/09/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.8	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2250084-MSD1)

Source: E212055-05

Prepared: 12/09/22 Analyzed: 12/09/22

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	4.10	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/2022 3:41:13PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250089-BLK1)

Prepared: 12/09/22 Analyzed: 12/09/22

Chloride ND 20.0

LCS (2250089-BS1)

Prepared: 12/09/22 Analyzed: 12/09/22

Chloride 260 20.0 250 104 90-110

Matrix Spike (2250089-MS1)

Source: E212055-01

Prepared: 12/09/22 Analyzed: 12/09/22

Chloride 289 20.0 250 34.3 102 80-120

Matrix Spike Dup (2250089-MSD1)

Source: E212055-01

Prepared: 12/09/22 Analyzed: 12/09/22

Chloride 297 20.0 250 34.3 105 80-120 2.88 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/12/22 15:41
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Final Only ASAP

Client: EOG Project: <i>Dee 36 Confirmation Sampling</i> Project Manager: Greg Crabtree Address: _____ City, State, Zip _____ Phone: _____ Email: All Enviro Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____	Lab Use Only Lab WO# <i>E212059</i> Job Number <i>19034-0012</i>	TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>
--	---	--	---	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOC	1D	2D	3D	Standard	State	Remarks
14:10	12.8.22	S	1	334/336 South Wall B	1	X						
14:13				334/336 South Wall A	2	X						
14:18				334/336 East Wall	3	X						
14:24				334/336 North Wall B	4	X						
14:30				334/336 Base	5	X						
15:46				476 B	6	X						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholeton Sanchez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 12/9/2022 12:16:11PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 12/09/22 11:31 Work Order ID: E212059
Phone: (575) 748-4217 Date Logged In: 12/09/22 11:35 Logged In By: Caitlin Christian
Email: Due Date: 12/12/22 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Khloleton Sanchez

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #011

Work Order: E212147

Job Number: 19034-0009

Received: 12/29/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/30/22



Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #011
Workorder: E212147
Date Received: 12/29/2022 11:15:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2022 11:15:00AM, under the Project Name: Achen Frey DM #011.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #011 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
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Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 12:42
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB1B 40FT	E212147-01A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 50FT	E212147-02A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 60FT	E212147-03A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 70FT	E212147-04A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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SB1B 40FT

E212147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL	Batch: 2253025	
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL	Batch: 2253025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2253026	
Diesel Range Organics (C10-C28)	232	25.0	1	12/29/22	12/29/22	
Oil Range Organics (C28-C36)	384	50.0	1	12/29/22	12/29/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/29/22	12/29/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2253027	
Chloride	10900	400	20	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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SB1B 50FT

E212147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	58.0	25.0	1	12/29/22	12/29/22	
Oil Range Organics (C28-C36)	190	50.0	1	12/29/22	12/29/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/29/22	12/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	10800	400	20	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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SB1B 60FT
E212147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	95.8	25.0	1	12/29/22	12/29/22	
Oil Range Organics (C28-C36)	345	50.0	1	12/29/22	12/29/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/29/22	12/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	10600	400	20	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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SB1B 70FT

E212147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253025
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/22	12/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/22	12/29/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/29/22	12/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	14200	400	20	12/29/22	12/29/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253025-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

LCS (2253025-BS1)

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	4.59	0.0250	5.00		91.8	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

LCS Dup (2253025-BSD1)

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	4.75	0.0250	5.00		95.0	70-130	3.45	20	
Ethylbenzene	5.12	0.0250	5.00		102	70-130	3.37	20	
Toluene	5.15	0.0250	5.00		103	70-130	3.23	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	3.38	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	3.44	20	
Total Xylenes	15.7	0.0250	15.0		104	70-130	3.42	20	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253025-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

LCS (2253025-BS2)

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS Dup (2253025-BSD2)

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130	3.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253026-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.9		50.0		108	50-200			

LCS (2253026-BS1)

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.4	50-200			

Matrix Spike (2253026-MS1)

Source: E212147-02

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	275	25.0	250	58.0	86.7	38-132			
Surrogate: <i>n</i> -Nonane	45.0		50.0		90.0	50-200			

Matrix Spike Dup (2253026-MSD1)

Source: E212147-02

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	241	25.0	250	58.0	73.3	38-132	13.0	20	
Surrogate: <i>n</i> -Nonane	41.3		50.0		82.5	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 12:42:23PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253027-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	ND	20.0							
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LCS (2253027-BS1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	247	20.0	250		98.7	90-110			
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LCS Dup (2253027-BSD1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	249	20.0	250		99.4	90-110	0.713	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 12:42
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 1/30/2023 11:16:00 AM

Received by OCD: 1/2/2023 9:32:26 AM

Client: EOG Project: Achen Frey DM #011 Project Manager: Greg Crabtree Address: _____ City, State, Zip _____ Phone: _____ Email: All Enviro _____ Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____	Lab Use Only Lab WO# <u>E212147</u> Job Number <u>19034-0009</u>	TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BOGOC	1D	2D	3D	Standard	State	Remarks
11:32	12/28/22	S	1	SBIB 40 ft	1	x						
12:23	12/28/22	S	1	SBIB 50 ft	2	x						
13:27	12/29/22	S	1	SBIB 60 ft	3	x						
14:24	12/28/22	S	1	SBIB 70 ft	4	x						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: ~~Kheleton Sanchez~~ P. Mesa

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) _____	Date <u>12/28/22</u>	Time <u>15:25</u>	Received by: (Signature) <u>Michelle Curcio</u>	Date <u>12-28-22</u>	Time <u>1525</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Curcio</u>	Date <u>12-28-22</u>	Time <u>1645</u>	Received by: (Signature) <u>Keith Chiles</u>	Date <u>12/29/22</u>	Time <u>11:15</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/29/2022 12:03:27PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 12/29/22 11:15	Work Order ID: E212147
Phone: (575) 748-4217	Date Logged In: 12/28/22 16:42	Logged In By: Caitlin Christian
Email:	Due Date: 12/29/22 17:00 (0 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #011

Work Order: E212150

Job Number: 19034-0009

Received: 12/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/30/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #011
Workorder: E212150
Date Received: 12/29/2022 1:46:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2022 1:46:00PM, under the Project Name: Achen Frey DM #011.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #011 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 11:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB1B 110FT	E212150-01A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 100FT	E212150-02A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 90FT	E212150-03A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.
SB1B 80FT	E212150-04A	Soil	12/28/22	12/29/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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SB1B 110FT

E212150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/22	12/30/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	17700	1000	50	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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SB1B 100FT

E212150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/22	12/30/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	14300	1000	50	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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SB1B 90FT

E212150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	64.2	25.0	1	12/29/22	12/30/22	
Oil Range Organics (C28-C36)	184	50.0	1	12/29/22	12/30/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	11700	400	20	12/29/22	12/29/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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SB1B 80FT

E212150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Benzene	ND	0.0250	1	12/29/22	12/29/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/29/22	
Toluene	ND	0.0250	1	12/29/22	12/29/22	
o-Xylene	ND	0.0250	1	12/29/22	12/29/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/22	12/30/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253027
Chloride	17000	400	20	12/29/22	12/29/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253028-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

LCS (2253028-BS1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	4.40	0.0250	5.00		88.0	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.8	70-130			
Toluene	4.80	0.0250	5.00		96.0	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			

Matrix Spike (2253028-MS1)

Source: E212150-02

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	4.24	0.0250	5.00	ND	84.8	54-133			
Ethylbenzene	4.54	0.0250	5.00	ND	90.8	61-133			
Toluene	4.59	0.0250	5.00	ND	91.7	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.7	63-131			
p,m-Xylene	9.22	0.0500	10.0	ND	92.2	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

Matrix Spike Dup (2253028-MSD1)

Source: E212150-02

Prepared: 12/29/22 Analyzed: 12/29/22

Benzene	4.67	0.0250	5.00	ND	93.3	54-133	9.52	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	10.4	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	10.0	20	
o-Xylene	5.20	0.0250	5.00	ND	104	63-131	10.5	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	10.3	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	10.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253028-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			

LCS (2253028-BS2)

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

Matrix Spike (2253028-MS2)

Source: E212150-02

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			

Matrix Spike Dup (2253028-MSD2)

Source: E212150-02

Prepared: 12/29/22 Analyzed: 12/29/22

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	2.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253026-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS (2253026-BS1)

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

Matrix Spike (2253026-MS1)

Source: E212147-02

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	275	25.0	250	58.0	86.7	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

Matrix Spike Dup (2253026-MSD1)

Source: E212147-02

Prepared: 12/29/22 Analyzed: 12/29/22

Diesel Range Organics (C10-C28)	241	25.0	250	58.0	73.3	38-132	13.0	20	
Surrogate: n-Nonane	41.3		50.0		82.5	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 11:49:39AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253027-BLK1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	ND	20.0							
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LCS (2253027-BS1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	247	20.0	250		98.7	90-110			
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LCS Dup (2253027-BSD1)

Prepared: 12/29/22 Analyzed: 12/29/22

Chloride	249	20.0	250		99.4	90-110	0.713	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 11:49
--	--	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: FOG RESOURCES
 Project: Achen Frey DM #011
 Project Manager: Greg Crabtree
 Address: _____
 City, State, Zip _____
 Phone: _____
 Email: All Enviro
 Report due by: _____

Bill To
 Attention: _____
 Address: _____
 City, State, Zip _____
 Phone: _____
 Email: _____

Lab Use Only
 Lab WO# E212150 Job Number 19034-009
 1D 2D 3D Standard
 EPA Program
 CWA SDWA
 RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method							State					Remarks		
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM-BGDOC	NM	CO	UT	AZ	TX			
21:34	12/28/22	S		SBIB 110ft	1															
19:39	12/28/22	S		SBIB 100ft	2															
18:22	12/28/22	S		SBIB 90ft	3															
15:07	12/28/22	S		SBIB 80ft	4															

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 Sampled by: Patrick Mesa

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Justin Goutte</u>	Date <u>12/29/22</u>	Time <u>13:46</u>	Received by: (Signature) <u>Carilla Ch...</u>	Date <u>12/29/22</u>	Time <u>13:46</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
 Received on ice: N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Released to Imaging: 1/30/2023 11:16:00 AM

Received by: OGD - 1/2/2023 9:32:26 AM

Page 98 of 1109

Envirotech Analytical Laboratory

Printed: 12/29/2022 1:49:22PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 12/29/22 13:46 Work Order ID: E212150
Phone: (575) 748-4217 Date Logged In: 12/29/22 09:58 Logged In By: Caitlin Christian
Email: Due Date: 12/30/22 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Austin Foutz

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #011

Work Order: E212152

Job Number: 19034-0009

Received: 12/30/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/30/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #011
Workorder: E212152
Date Received: 12/30/2022 6:30:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/30/2022 6:30:00AM, under the Project Name: Achen Frey DM #011.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #011 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 13:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB1B 115FT	E212152-01A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:51:40PM
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SB1B 115FT

E212152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		91.3 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	15300	400	20	12/29/22	12/30/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:51:40PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253032-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			

LCS (2253032-BS1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		106	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

LCS Dup (2253032-BSD1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	4.80	0.0250	5.00		96.1	70-130	1.17	20	
Ethylbenzene	5.02	0.0250	5.00		100	70-130	4.61	20	
Toluene	5.22	0.0250	5.00		104	70-130	1.96	20	
o-Xylene	5.47	0.0250	5.00		109	70-130	0.576	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	0.0470	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	0.164	20	
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:51:40PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253032-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

LCS (2253032-BS2)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS Dup (2253032-BSD2)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130	0.640	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:51:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253035-BLK1)

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	50.8		50.0		102	50-200			

LCS (2253035-BS1)

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: <i>n-Nonane</i>	50.5		50.0		101	50-200			

Matrix Spike (2253035-MS1)

Source: E212151-05

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	38-132			
Surrogate: <i>n-Nonane</i>	51.3		50.0		103	50-200			

Matrix Spike Dup (2253035-MSD1)

Source: E212151-05

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.38	20	
Surrogate: <i>n-Nonane</i>	50.5		50.0		101	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:51:40PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253033-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	ND	20.0							
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LCS (2253033-BS1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	245	20.0	250		98.0	90-110			
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LCS Dup (2253033-BSD1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	249	20.0	250		99.7	90-110	1.68	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 13:51
--	--	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 1/30/2023 11:16:00 AM

Received by OCD: 1/2/2023 9:32:26 AM

Client: EOG EOG Project: Wag 51102-2 Achen Ficy D.M.#011 Project Manager: Greg Crabtree Address: _____ City, State, Zip _____ Phone: _____ Email: All Enviro _____ Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____	19034-0009	Lab Use Only Lab WO# EZ12152 Job Number 19034-0009 19034-0014	TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>
--	--	------------	---	--	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	VOC by 8280	Conductivity	Exchangeable Sodium %	SAR	1D	2D	3D	Standard	State	Remarks
9:33	12/29/22	S	1	SB1B 115ft	1	X								NM	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) _____	Date	Time	Received by: (Signature) _____	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) _____	12/29/22	19:30	_____	12/30/22	10:30	
Relinquished by: (Signature) _____						

Sample Matrix: S - Soil, ~~Sd~~ - Solid, ~~Sg~~ - Sludge, A - Aqueous, O - Other _____
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page 994 of 1109

Envirotech Analytical Laboratory

Printed: 12/30/2022 6:58:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 12/30/22 06:30 Work Order ID: E212152
Phone: (575) 748-4217 Date Logged In: 12/29/22 16:13 Logged In By: Caitlin Christian
Email: Due Date: 12/30/22 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Patrick Mesa

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E212120

Job Number: 19034-0009

Received: 12/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/23/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E212120
Date Received: 12/21/2022 3:07:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/21/2022 3:07:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/22 11:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP-1	E212120-01A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-2	E212120-02A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-3	E212120-03A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-4	E212120-04A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-5	E212120-05A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-6	E212120-06A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-7	E212120-07A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-8	E212120-08A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-9	E212120-09A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-10	E212120-10A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-11	E212120-11A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-12	E212120-12A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-13	E212120-13A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-14	E212120-14A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-15	E212120-15A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-16	E212120-16A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-17	E212120-17A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-18	E212120-18A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-19	E212120-19A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-20	E212120-20A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.

Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-1

E212120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL	Batch: 2252037	
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL	Batch: 2252037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.0 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2252043	
Diesel Range Organics (C10-C28)	25.8	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2252047	
Chloride	581	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-2

E212120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.5 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	25.9	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>						
		99.8 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	692	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-3

E212120-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	50.0	2	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	100	2	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		94.2 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	601	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-4

E212120-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	950	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-5

E212120-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	30.0	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	1250	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-6

E212120-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/21/22	
Toluene	ND	0.0250	1	12/21/22	12/21/22	
o-Xylene	ND	0.0250	1	12/21/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	1390	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-7

E212120-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		89.0 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	1910	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-8

E212120-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	2000	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-9

E212120-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	39.9	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	660	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-10
E212120-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	878	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-11

E212120-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	472	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-12
E212120-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	313	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-13
E212120-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	41.7	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	471	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-14
E212120-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>						
		96.5 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	109	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-15
E212120-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	616	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-16
E212120-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		97.7 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	843	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-17
E212120-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	25.2	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	1010	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-18
E212120-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	1380	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-19
E212120-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		98.3 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	433	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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SP-20
E212120-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252047
Chloride	502	20.0	1	12/21/22	12/22/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252037-BLK1)

Prepared: 12/21/22 Analyzed: 12/21/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.79		8.00		110	70-130			

LCS (2252037-BS1)

Prepared: 12/21/22 Analyzed: 12/22/22

Benzene	4.64	0.0250	5.00		92.7	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.3	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.68		8.00		109	70-130			

LCS Dup (2252037-BSD1)

Prepared: 12/21/22 Analyzed: 12/21/22

Benzene	5.40	0.0250	5.00		108	70-130	15.3	20	
Ethylbenzene	5.70	0.0250	5.00		114	70-130	13.8	20	
Toluene	5.74	0.0250	5.00		115	70-130	14.5	20	
o-Xylene	5.90	0.0250	5.00		118	70-130	14.0	20	
p,m-Xylene	11.6	0.0500	10.0		116	70-130	13.8	20	
Total Xylenes	17.5	0.0250	15.0		116	70-130	13.9	20	
Surrogate: 4-Bromochlorobenzene-PID	8.67		8.00		108	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252037-BLK1)

Prepared: 12/21/22 Analyzed: 12/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.05		8.00		101	70-130			

LCS (2252037-BS2)

Prepared: 12/21/22 Analyzed: 12/22/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

LCS Dup (2252037-BSD2)

Prepared: 12/21/22 Analyzed: 12/21/22

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	3.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252043-BLK1)

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.9		50.0		102	50-200			

LCS (2252043-BS1)

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike (2252043-MS1)

Source: E212120-17

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	261	25.0	250	25.2	94.2	38-132			
Surrogate: n-Nonane	48.6		50.0		97.1	50-200			

Matrix Spike Dup (2252043-MSD1)

Source: E212120-17

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	275	25.0	250	25.2	99.9	38-132	5.25	20	
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:07:28AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252047-BLK1)

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride ND 20.0

LCS (2252047-BS1)

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 259 20.0 250 104 90-110

Matrix Spike (2252047-MS1)

Source: E212120-01

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 796 20.0 250 581 85.9 80-120

Matrix Spike Dup (2252047-MSD1)

Source: E212120-01

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 842 20.0 250 581 104 80-120 5.62 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/22 11:07
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: EOG		Bill To		Lab Use Only		TAT		EPA Program	
Project: Achen Frey DM #11	Attention:	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Greg Crabtree	Address:	E212120	19034-0009		X				
Address:	City, State, Zip	Analysis and Method							
City, State, Zip	Phone:								
Phone:	Email:								
Email: I. Garcia B. Hall G. Crabtree T. Knight	Report due by:								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks
9:24	12/20/2022	s	1	SP-1	1	X	X	X							
9:30	12/20/2022	s	1	SP-2	2	X	X	X							
9:34	12/20/2022	s	1	SP-3	3	X	X	X							
9:40	12/20/2022	s	1	SP-4	4	X	X	X							
9:45	12/20/2022	s	1	SP-5	5	X	X	X							
9:51	12/20/2022	s	1	SP-6	6	X	X	X							
9:56	12/20/2022	s	1	SP-7	7	X	X	X							
10:02	12/20/2022	s	1	SP-8	8	X	X	X							
10:07	12/20/2022	s	1	SP-9	9	X	X	X							
10:13	12/20/2022	s	1	SP-10	10	X	X	X							

x
 date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/21/2022 3:48:20PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 12/21/22 15:07	Work Order ID: E212120
Phone: (575) 748-4217	Date Logged In: 12/21/22 15:12	Logged In By: Caitlin Christian
Email:	Due Date: 12/23/22 17:00 (2 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Project Achen Frey DM #11 has been separated into 2 reports due to sample volume. Workorders are as follows: E212120 & E212121.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #11

Work Order: E212121

Job Number: 19034-0009

Received: 12/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/23/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #11
Workorder: E212121
Date Received: 12/21/2022 3:07:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/21/2022 3:07:00PM, under the Project Name: Achen Frey DM #11.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #11 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/22 11:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP-21	E212121-01A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-22	E212121-02A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-23	E212121-03A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-24	E212121-04A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-25	E212121-05A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-26	E212121-06A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-27	E212121-07A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-28	E212121-08A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-29	E212121-09A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-30	E212121-10A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-31	E212121-11A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-32	E212121-12A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-33	E212121-13A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-34	E212121-14A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-35	E212121-15A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-36	E212121-16A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-37	E212121-17A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.
SP-38	E212121-18A	Soil	12/20/22	12/21/22	Glass Jar, 2 oz.

Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-21

E212121-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	1290	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-22

E212121-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	776	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-23

E212121-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	67.4	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	54.6	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	942	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-24

E212121-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	35.9	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	569	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-25

E212121-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	1140	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-26

E212121-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	564	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-27

E212121-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		98.7 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	206	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-28

E212121-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	204	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-29

E212121-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	242	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-30
E212121-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/22/22	
<i>Surrogate: n-Nonane</i>						
		99.5 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	999	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-31

E212121-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	50.0	2	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	100	2	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	489	40.0	2	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-32

E212121-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	328	250	10	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	500	10	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	637	40.0	2	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-33

E212121-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	488	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-34
E212121-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	39.6	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	441	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-35

E212121-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	407	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-36

E212121-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	403	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-37

E212121-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	826	20.0	1	12/21/22	12/22/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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SP-38
E212121-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Benzene	ND	0.0250	1	12/21/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/21/22	12/22/22	
Toluene	ND	0.0250	1	12/21/22	12/22/22	
o-Xylene	ND	0.0250	1	12/21/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/21/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/21/22	12/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/21/22	12/23/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252044
Chloride	693	20.0	1	12/21/22	12/22/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252038-BLK1)

Prepared: 12/21/22 Analyzed: 12/21/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

LCS (2252038-BS1)

Prepared: 12/21/22 Analyzed: 12/21/22

Benzene	4.18	0.0250	5.00		83.5	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.5	70-130			
Toluene	4.48	0.0250	5.00		89.7	70-130			
o-Xylene	4.56	0.0250	5.00		91.3	70-130			
p,m-Xylene	8.98	0.0500	10.0		89.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

LCS Dup (2252038-BSD1)

Prepared: 12/21/22 Analyzed: 12/21/22

Benzene	4.27	0.0250	5.00		85.5	70-130	2.27	20	
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130	2.90	20	
Toluene	4.59	0.0250	5.00		91.9	70-130	2.41	20	
o-Xylene	4.70	0.0250	5.00		94.0	70-130	2.89	20	
p,m-Xylene	9.24	0.0500	10.0		92.4	70-130	2.88	20	
Total Xylenes	13.9	0.0250	15.0		92.9	70-130	2.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252038-BLK1)

Prepared: 12/21/22 Analyzed: 12/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

LCS (2252038-BS2)

Prepared: 12/21/22 Analyzed: 12/22/22

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS Dup (2252038-BSD2)

Prepared: 12/21/22 Analyzed: 12/22/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130	4.70	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252045-BLK1)

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	50-200			

LCS (2252045-BS1)

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: <i>n</i> -Nonane	49.5		50.0		99.0	50-200			

Matrix Spike (2252045-MS1)

Source: E212121-11

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	315	50.0	250	ND	126	38-132			
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.5	50-200			

Matrix Spike Dup (2252045-MSD1)

Source: E212121-11

Prepared: 12/21/22 Analyzed: 12/22/22

Diesel Range Organics (C10-C28)	318	50.0	250	ND	127	38-132	1.06	20	
Surrogate: <i>n</i> -Nonane	48.5		50.0		96.9	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/2022 11:11:48AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252044-BLK1)

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride ND 20.0

LCS (2252044-BS1)

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 253 20.0 250 101 90-110

Matrix Spike (2252044-MS1)

Source: E212121-01

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 1560 20.0 250 1290 108 80-120

Matrix Spike Dup (2252044-MSD1)

Source: E212121-01

Prepared: 12/21/22 Analyzed: 12/22/22

Chloride 1560 20.0 250 1290 109 80-120 0.0427 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #11 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/23/22 11:11
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 1/30/2023 11:16:00 AM

Project Information

Chain of Custody

Client: EOG Project: Achen Frey DM #11 Project Manager: Greg Crabtree Address: City, State, Zip: Phone: Email: I. Garcia B. Hall G. Crabtree T. Knight Report due by:	Bill To Attention: Address: City, State, Zip: Phone: Email:	Lab Use Only Lab. Work: E212121 Job Number: 19034-0009	TAT 1D 2D <input checked="" type="checkbox"/> 3D	EPA Program CWA SDWA RCRA State NM CO UT AZ TX
--	--	---	--	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method										Remarks				
						DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's						
12:32	12/20/2022	s	1	SP-21	1	X	X	X												
12:35	12/20/2022	s	1	SP-22	2	X	X	X												
12:40	12/20/2022	s	1	SP-23	3	X	X	X												
12:45	12/20/2022	s	1	SP-24	4	X	X	X												
12:48	12/20/2022	s	1	SP-25	5	X	X	X												
12:51	12/20/2022	s	1	SP-26	6	X	X	X												
13:35	12/20/2022	s	1	SP-27	7	X	X	X												
13:38	12/20/2022	s	1	SP-28	8	X	X	X												
13:42	12/20/2022	s	1	SP-29	9	X	X	X												
13:45	12/20/2022	s	1	SP-30	10	X	X	X												

x
 date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp: °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Received by: OGD - 12/20/23 9:32:26 AM

Page 1057 of 1109

Client: EOG
 Project: Achen Frey DM #11
 Project Manager: Greg Crabtree
 Address: _____
 City, State, Zip _____
 Phone: _____
 Email: I. Garcia B. Hall G. Crabtree T. Knight
 Report due by: _____

Bill To
 Attention: _____
 Address: _____
 City, State, Zip _____
 Phone: _____
 Email: _____

Lab Use Only
 Lab WO# E212121 Job Number 19034-0009
 1D 2D 3D Standard
EPA Program
 CWA SDWA
 RCRA

Analysis and Method
 DRO, GRO, ORO by 8015
 BTEX by 8021
 Chloride 300.0
 VOC by 8260
 Metals 6010
 Full TCLP w/o H&P
 Semi-Volatiles 8270
 RCI
 PCB's
 State: NM CO UT AZ TX
 x

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO, GRO, ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volatiles 8270	RCI	PCB's	Remarks
13:49	12/20/2022	s	1	SP-31	11	X	X	X							
13:51	12/20/2022	s	1	SP-32	12	X	X	X							
13:54	12/20/2022	s	1	SP-33	13	X	X	X							
13:57	12/20/2022	s	1	SP-34	14	X	X	X							
14:01	12/20/2022	s	1	SP-35	15	X	X	X							
14:05	12/20/2022	s	1	SP-36	16	X	X	X							
14:13	12/20/2022	s	1	SP-37	17	X	X	X							
14:18	12/20/2022	s	1	SP-38	18	X	X	X							

x
 date or time of collection is considered fraud and may be grounds for legal action. **Sampled by: Isaac Garcia**
 Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) _____	Date <u>12/21/2022</u>	Time <u>15:07</u>	Received by: (Signature) <u>Isaac Garcia</u>	Date <u>12/21/22</u>	Time <u>15:07</u>
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____

Lab Use Only
 Received on ice: Y N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/21/2022 3:48:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources Date Received: 12/21/22 15:07 Work Order ID: E212121
Phone: (575) 748-4217 Date Logged In: 12/21/22 15:14 Logged In By: Caitlin Christian
Email: Due Date: 12/23/22 17:00 (2 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Isaac Garcia

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Empty box for client instruction.

Comments/Resolution

Project Achen Frey DM #11 has been separated into 2 reports due to sample volume. Workorders are as follows:E212120 & E212121.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Greg Crabtree



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources

Project Name: Achen Frey DM #011

Work Order: E212151

Job Number: 19034-0009

Received: 12/30/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/30/22

Greg Crabtree
104 South 4th Street
Artesia, NM 88210

Project Name: Achen Frey DM #011
Workorder: E212151
Date Received: 12/30/2022 6:30:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/30/2022 6:30:00AM, under the Project Name: Achen Frey DM #011.

The analytical test results summarized in this report with the Project Name: Achen Frey DM #011 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 13:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP2 - 1	E212151-01A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 2	E212151-02A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 3	E212151-03A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 4	E212151-04A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 5	E212151-05A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 6	E212151-06A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 7	E212151-07A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 8	E212151-08A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 9	E212151-09A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 10	E212151-10A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 11	E212151-11A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 12	E212151-12A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 13	E212151-13A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 14	E212151-14A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 15	E212151-15A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.
SP2 - 16	E212151-16A	Soil	12/29/22	12/30/22	Glass Jar, 2 oz.

Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 1

E212151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY	Batch: 2253032	
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY	Batch: 2253032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2253035	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2253033	
Chloride	817	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 2

E212151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	63.4	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	59.0	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		93.9 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	748	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 3

E212151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	75.7	50.0	2	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	100	2	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	1100	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 4

E212151-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	50.3	50.0	2	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	100	2	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	1090	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 5

E212151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	699	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 6

E212151-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	1250	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 7

E212151-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	487	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 8

E212151-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	28.1	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	724	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 9

E212151-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		88.9 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	695	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 10

E212151-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		93.3 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	512	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 11

E212151-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	39.7	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	889	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 12

E212151-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	68.2	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	210	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	730	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 13

E212151-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	71.4	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	114	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	631	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 14

E212151-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	167	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	203	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	513	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 15

E212151-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	268	20.0	1	12/29/22	12/30/22	



Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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SP2 - 16

E212151-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Benzene	ND	0.0250	1	12/29/22	12/30/22	
Ethylbenzene	ND	0.0250	1	12/29/22	12/30/22	
Toluene	ND	0.0250	1	12/29/22	12/30/22	
o-Xylene	ND	0.0250	1	12/29/22	12/30/22	
p,m-Xylene	ND	0.0500	1	12/29/22	12/30/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.4 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2253035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/22	12/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/22	12/30/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2253033
Chloride	230	20.0	1	12/29/22	12/30/22	



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253032-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			

LCS (2253032-BS1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		106	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

LCS Dup (2253032-BSD1)

Prepared: 12/29/22 Analyzed: 12/30/22

Benzene	4.80	0.0250	5.00		96.1	70-130	1.17	20	
Ethylbenzene	5.02	0.0250	5.00		100	70-130	4.61	20	
Toluene	5.22	0.0250	5.00		104	70-130	1.96	20	
o-Xylene	5.47	0.0250	5.00		109	70-130	0.576	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	0.0470	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	0.164	20	
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253032-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

LCS (2253032-BS2)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS Dup (2253032-BSD2)

Prepared: 12/29/22 Analyzed: 12/30/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130	0.640	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253035-BLK1)

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			

LCS (2253035-BS1)

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2253035-MS1)

Source: E212151-05

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

Matrix Spike Dup (2253035-MSD1)

Source: E212151-05

Prepared: 12/30/22 Analyzed: 12/30/22

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.38	20	
Surrogate: n-Nonane	50.5		50.0		101	50-200			



QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/2022 1:50:29PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2253033-BLK1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	ND	20.0							
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LCS (2253033-BS1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	245	20.0	250		98.0	90-110			
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LCS Dup (2253033-BSD1)

Prepared: 12/29/22 Analyzed: 12/30/22

Chloride	249	20.0	250		99.7	90-110	1.68	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Achen Frey DM #011 Project Number: 19034-0009 Project Manager: Greg Crabtree	Reported: 12/30/22 13:50
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Final

Client: EOG Project: Achen Frey DM #011 Project Manager: Greg Crabtree Address: _____ City, State, Zip _____ Phone: _____ Email: All Enviro _____ Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____	Lab Use Only Lab WO# <u>E212151</u> Job Number <u>19034-0009</u>	TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input checked="" type="checkbox"/>
Analysis and Method			State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOC	Remarks									
11:13	12/29/22	1	1	SP2-11	11	X										
11:18	12/29/22	1	1	SP2-12	12	X										
11:23	12/29/22	1	1	SP2-13	13	X										
11:28	12/29/22	1	1	SP2-14	14	X										
11:33	12/29/22	1	1	SP2-15	15	X										
11:40	12/29/22	1	1	SP2-16	16	X										

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Sampled by: <u>Kholeton Sanchez</u> <i>DMCSA</i>					
Relinquished by: (Signature)	Date <u>12/29/22</u>	Time <u>19:30</u>	Received by: (Signature)	Date <u>12/30/22</u>	Time <u>16:30</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>	Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>
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Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 1/30/2023 11:16:00 AM

Received by: OCD: 1/2/2023 9:32:26 AM

Page 1087 of 1109

Envirotech Analytical Laboratory

Printed: 12/30/2022 6:52:04AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received: 12/30/22 06:30	Work Order ID: E212151
Phone: (575) 748-4217	Date Logged In: 12/29/22 16:12	Logged In By: Caitlin Christian
Email:	Due Date: 12/30/22 17:00 (0 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Patrick Mesa

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Achen Frey DM #011
Remediation Closure Report



December 30, 2022

Appendix 5
Regulatory Correspondence

From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Wednesday, December 7, 2022 7:33:17 AM
Attachments: [image003.png](#)
[image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, December 6, 2022 3:33 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Tuesday, December 6, 2022 2:49 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, December 6, 2022 1:29 PM
To: Enviro, OCD, EMNRD <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: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

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

Achen Frey DM 11
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 2:00 p.m. on Thursday, December 8, 2022 and continue through 5:00 p.m. on Friday, December 9, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Amber Griffin](#)
To: [Tami Knight](#)
Cc: [Jeremy Haass](#)
Subject: FW: [EXTERNAL] Ocotillo ACI Federal 1 (nAPP2214650299) Sampling Notification
Date: Friday, December 16, 2022 9:47:37 AM
Attachments: [image003.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Friday, December 16, 2022 9:46 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Ocotillo ACI Federal 1 (nAPP2214650299) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, December 16, 2022 8:30 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Ocotillo ACI Federal 1 (nAPP2214650299) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Friday, December 16, 2022 7:31 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Ocotillo ACI Federal 1 (nAPP2214650299) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

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

Ocotillo ACI Federal 1
A-10-20S-24E
Eddy County, NM
nAPP2214650299

Sampling will begin at 8:00 a.m. on Tuesday, December 20, 2022 and continue through 12:00 p.m. on Friday, December 23, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Thursday, December 15, 2022 3:43:42 PM
Attachments: [image002.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, December 15, 2022 1:25 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

Miriam Morales

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, December 15, 2022 1:22 PM
To: Miriam Morales <Miriam_Morales@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Miriam,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, December 15, 2022 11:16 AM
To: Enviro, OCD, EMNRD <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: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

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

Achen Frey DM 11
30-015-24536
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 12:00 p.m. on Monday, December 19, 2022 and continue through 5:00 p.m. on Wednesday, December 21, 2022.

Thank you,

Miriam Morales

From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Thursday, October 27, 2022 10:53:27 AM
Attachments: [image001.png](#)
[image003.png](#)

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FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, October 27, 2022 9:55 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Thursday, October 27, 2022 9:46 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, October 27, 2022 8:03 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, October 27, 2022 7:07 AM
To: Enviro, OCD, EMNRD <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: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Achen Frey DM 11
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 8:00 a.m. on Monday, October 31, 2022 and continue through Friday, November 11, 2022.

From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM #11 Sampling Notification
Date: Monday, November 28, 2022 8:05:39 AM
Attachments: [image002.png](#)
[image003.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Lacey Granillo <Lacey_Granillo@eogresources.com>
Sent: Tuesday, November 22, 2022 8:09 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM #11 Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Tuesday, November 22, 2022 4:48 PM
To: Lacey Granillo <Lacey_Granillo@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Achen Frey DM #11 Sampling Notification

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Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Lacey Granillo <Lacey_Granillo@eogresources.com>
Sent: Tuesday, November 22, 2022 3:25 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Subject: [EXTERNAL] Achen Frey DM #11 Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Sampling will begin November 29th at 8:00 and be continuous through December 1st.

Achen Frey DM #011
30-015-24536
Unit I, Section 14, T17S, R25E
Eddy County, NM
nAPP2135057740

Lacey Granillo
Regulatory Specialist
Cell: (575) 909-5284
Lacey_Granillo@eogresources.com



From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: Fwd: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Wednesday, October 12, 2022 11:54:01 AM
Attachments: [image001.png](#)

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FYI

Get [Outlook for iOS](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 12, 2022 12:44:45 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, October 12, 2022 11:09 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, October 12, 2022 8:27 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: Fw: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Friday, October 7, 2022 8:25 AM
To: Enviro, OCD, EMNRD <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: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Achen Frey DM 11
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 8:00 a.m. on Wednesday, October 12, 2022 and continue through Friday, October 21, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Thursday, November 10, 2022 3:30:46 PM
Attachments: [image003.png](#)
[image001.png](#)

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FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, November 10, 2022 3:30 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, November 10, 2022 3:10 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

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Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, November 10, 2022 3:05 PM
To: Enviro, OCD, EMNRD <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: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

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Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Achen Frey DM 11
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 8:00 a.m. on Tuesday, November 15, 2022 and continue through 5:00 p.m. on Thursday, November 17, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Jeremy Haass](#)
To: [Tami Knight](#)
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
Date: Wednesday, October 5, 2022 11:07:18 AM
Attachments: [image002.png](#)
[image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

Jeremy Haass

Safety & Environmental Specialist

EOG Resources – Artesia Division

104 S. 4th Street

Artesia, NM 88210

Office: (575) 748-4311

Fax: (575) 748-4131

Cell: (575) 513-9235

jeremy_haass@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 5, 2022 11:06 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, October 5, 2022 10:51 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

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Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.dnm.gov>
Sent: Wednesday, October 5, 2022 8:22 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.dnm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.dnm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.dnm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.dnm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrn.dnm.gov>
Subject: Fw: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 5, 2022 8:21 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.dnm.gov>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

The sampling area has increased in which increased the time it will take us to Confirmation Sample.

Can we please extend the sampling date to the highlighted below.

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, October 3, 2022 8:07 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: Achen Frey DM 11 (nAPP2135057740) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Achen Frey DM 11
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Sampling will begin at 9:00 am on Wednesday, October 5, 2022 and continue through **Thursday, October 6, 2022.**

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Brittany Hall

From: Brittany Hall
Sent: Tuesday, July 26, 2022 7:00 AM
To: Kholeton Sanchez
Subject: Fwd: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

----- Forwarded message -----

From: Jeremy Haass <Jeremy_Haass@eogresources.com>
Date: Jul 26, 2022 6:55 AM
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification
To: Brittany Hall <bhall@envirotech-inc.com>, Tami Knight <TKnight@envirotech-inc.com>
Cc:

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FYI

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, July 25, 2022 1:00 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Monday, July 25, 2022 12:13 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

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Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, July 25, 2022 11:27 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD

<Robert.Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>

Subject: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Achen Frey DM 11 (30-015-24536)
I-14-17S-25E
Eddy County, NM
nAPP2135057740

Confirmation sampling will be completed in the upper 4 feet of the excavation only. This portion of the excavation is referred to as the *Chloride Remediation Excavation* in the remediation plan (Application ID: 123185) approved by the NMOCD on July 11, 2022.

Sampling will begin at 8:30 a.m. on Wednesday, July 27, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 171430

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 171430
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/30/2023