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**

D			OCDID		
Responsible Party		7377	OGRID		
EOG Resources, Inc.			Talanhana		
Contact Name		575-748-	Telephone		
Robert Asher Contact email				5-4217 t # nAPP2135057740	
			meident +	.# nAPP213303//40	
bob_asher@eogres					
Contact mailing act	luress				
104 5. 4					
		Location	n of Release S	Source	
Latitude <u>32.83329</u>		(MAD 02:		e <u>-104.44802</u>	
		(NAD 83 in 6	decimal degrees to 5 deci	ecimal places)	
Site Name: Achen	Frey DM #11		Site Type	e: Battery	
Date Release Disco	vered: 12/14/2021		API# 30-0	-015-24536	
Unit Letter Sec	tion Township	Range	Cou	ounty	
I 14	17S	25E	Eddy	ruity	
1 14	1/3	23E	Eddy		
		Nature ar	nd Volume of	TAL & Redeemed Holdings LLC ET AL)  f Release  ific justification for the volumes provided below)	
Crude Oil	Volume Releas		•	Volume Recovered (Unknown)	
Produced Wate	Water Volume Released (Unknown)			Volume Recovered (Unknown)	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		chloride in the	⊠ Yes □ No	
Condensate				Volume Recovered (bbls)	
☐ Natural Gas	Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)	
	Volume/Weight Released			Volume/Weight Recovered	
		of the P&A'd wel	ll battery, an area so	south of the battery showed signs of oil and produced w	ater
Cause of Release When conducting f	inal reclamation work		J /	,	
When conducting f	ation (approximate are	a, 20' X 70').			
When conducting f		a, 20' X 70').			
When conducting f		a, 20' X 70').			
When conducting f		a, 20' X 70').			
When conducting f		a, 20' X 70').			

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Was this a major release as defined by	If YES, for what reason(s) does the respo	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ⊠ No		
If VES, was immediate no	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
ii 125, was iiiiiicdiate iid	once given to the OCD: By whom: To wi	ioni: When and by what means (phone, eman, etc):
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
<u> </u>	ecoverable materials have been removed an	
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investigation	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Robert Ash	er	Title: Environmental Supervisor
Signature:	<i>u</i> .	Date: <u>12-16-2021</u>
email: bob asher@eogres	sources.com_	Telephone: <u>575-748-4217</u>
OCD Only		
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?	(ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	x Yes No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes X 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.
X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
X Field data
X Data table of soil contaminant concentration data
x Depth to water determination
x Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

- X Boring or excavation logsX Photographs including date and GIS information
- Topographic/Aerial maps
- X 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.

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Jeremy Haass	Title: S&E Specialist
Signature: Ty Huss	Date: 5/20/2022
email: jeremy_haass@eogresources.com	Telephone: <u>575-748-4311</u>
OCD Only	
Received by:	Date:

Received by OCD: 1/2/2023 9:32:26 AM State of New Mexico
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Incident ID
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Application ID

### **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	c included in the plan.
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation point</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.1</li> <li>Proposed schedule for remediation (note if remediation plan tim</li> </ul>	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation
Contamination must be in areas immediately under or around predeconstruction.	
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral environment.	ertain release notifications and perform corrective actions for releases ance of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of aws and/or regulations.
Printed Name: Jeremy Haass	Title: S&E Specialist
Signature: Ty Huss	Date: <u>5/20/2022</u>
email: jeremy_haass@eogresources.com	Telephone: <u>575-748-4311</u>
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:

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Incident ID	NAPP2135057740
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Facility ID	
Application ID	

### Closure

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

Date: 12/30/2022    Date:   12/30/2022	Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
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  12/30/2022  Telephone:  575-748-4311  Date:  OCD Only  Received by:  Jocelyn Harimon  Date:  O1/03/2023  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.  Date:  O1/03/2023	A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Increby 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  Title:  \$\$2.30/20022\$   Bate:  12/30/2022  Telephone:  575-748-4311   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		s of the liner integrity if applicable (Note: appropriate OCD District office
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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: Jennifer Nobin Date: 01/30/2023	and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulation, reclaim, and re-vegetate the impacted surface area to the compliance.	in release notifications and perform corrective actions for releases which f a C-141 report by the OCD does not relieve the operator of liability mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
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: Jernifer Nobin Date: 01/30/2023	Printed Name:	Title:
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: Date:	Signature: Ty Huss	Date:
Received by:	email: jeremy_haass@eogresources.com	Telephone:575-748-4311
Received by:		
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	OCD Only	
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:	Received by: Jocelyn Harimon	Date:01/03/2023
	remediate contamination that poses a threat to groundwater, surface	water, human health, or the environment nor does not relieve the responsible
	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 2: Siting Criteria Documentation - Updated

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Appendix 4: Laboratory Analytical Reports Appendix 5: Regulatory Correspondence



### 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 38<sup>th</sup> 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



December 30, 2022

### 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



December 30, 2022

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.



December 30, 2022

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

### <u>Grids</u>

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.



December 30, 2022

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:

- 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**.



December 30, 2022

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.

Achen Frey DM #011
Remediation Plan

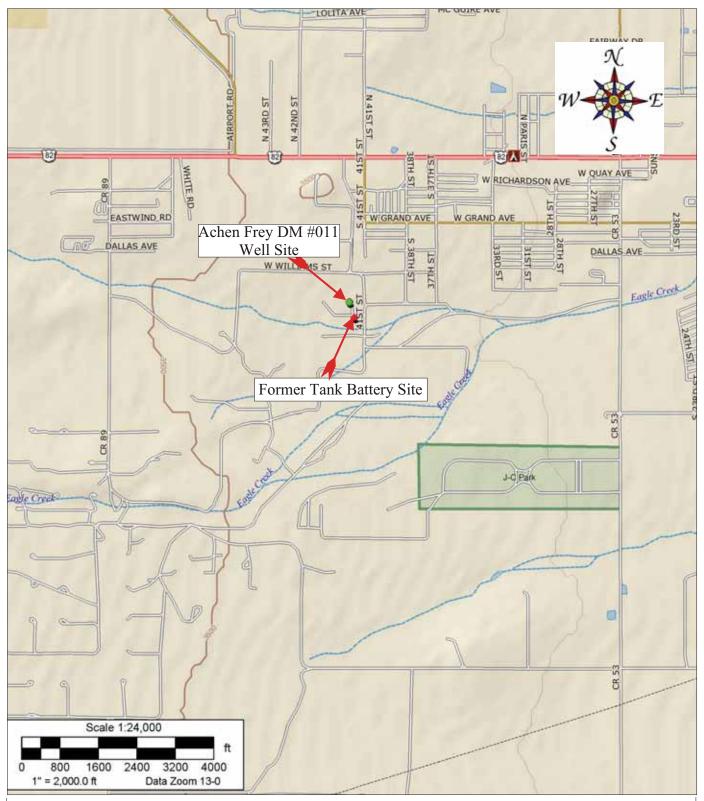


December 15, 2022

### 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 Remedation Plan
Achen Frey DM #011 Well Site
API: 30-015-24536
Eddy County, New Mexico
Section 14, Township 17S, Range 25E

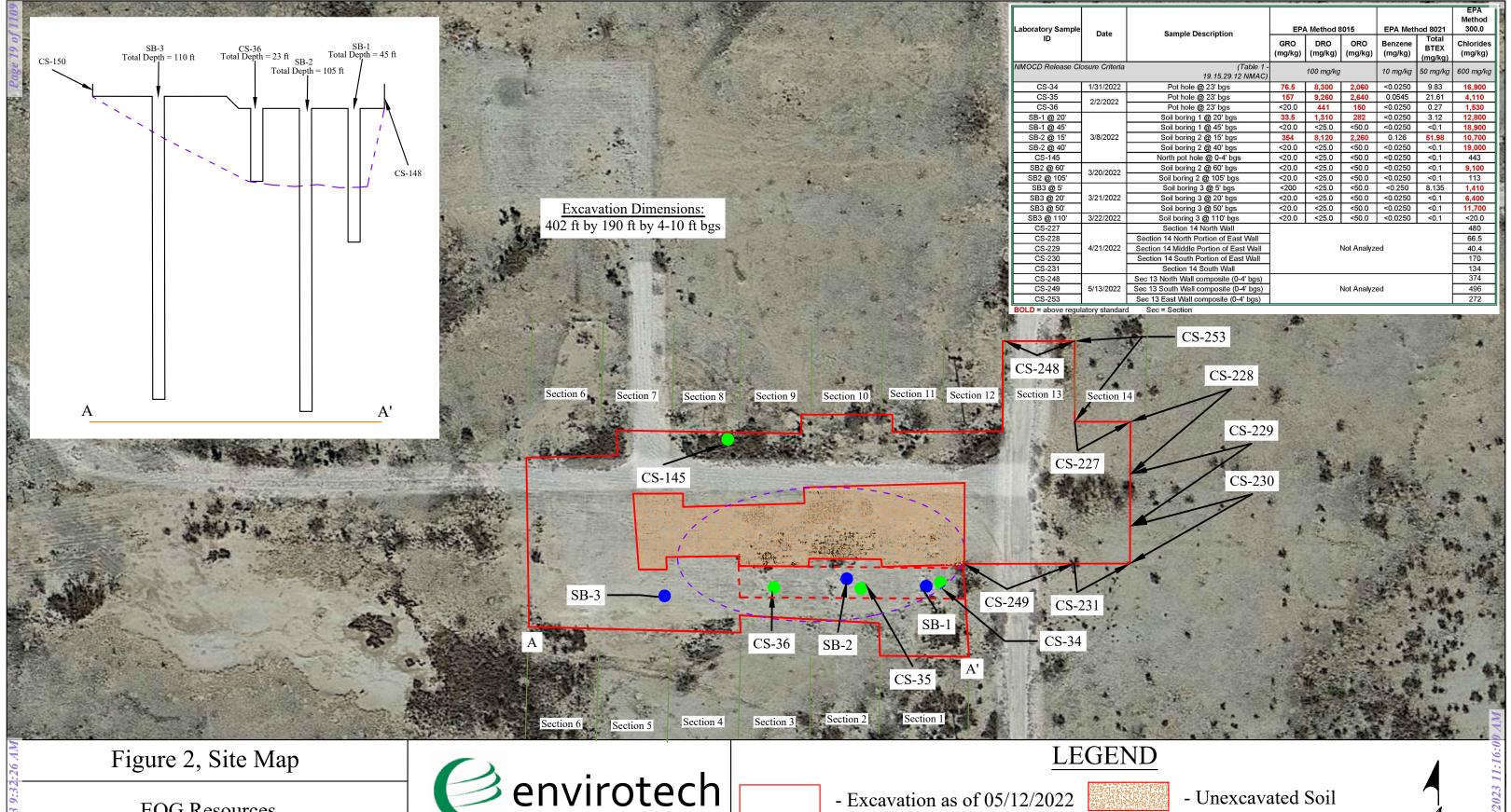
Project Number: 19034-0009 Date Drawn: 03/10/2022



5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615 Vicinity Map

Figure #1

DRAWN BY: Brittany Hall PROJECT MANAGER: Felipe Aragon



**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



		,
	MAP DRAWN BY:	DATE DRAWN:
•	KJCS	4/12/2022
1	REVISIONS BY:	DATE REVISED:
	ВАН	5/18/2022
	APPROVED BY:	DATE APPROVED:
	NAME	DATE



- Trench (10 ft below ground surface (bgs))



- Pot holes



- Soil borings



- Inferred Area of TPH Contamination (215 ft by 91 ft by 25 ft bgs)

1'' = 65 ft

Scale

\* GPS Coordinates +/- 3 meters

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	395	385	375									l
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	401	391	381				43	9	440	44	1	
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	404	409	414	42		42		43	-	436		
_	405	410	415		_	-			_			
	406	411	416	42	_	42		43		437		
4	407	412	417	42	4	42		43	5	438	5	
144	400	412	410	1 '			442					

### Legend

Sampled area
Sampled area incorporated into the trench
Samples Above Closure Criteria

P Utility pole

Excavation area wall at 50 ft

\* All samples are 5-point composite representative of  $\leq$  200 sq ft.

### Figure 3, Grids Site Map EOG Resources

Chlorides

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

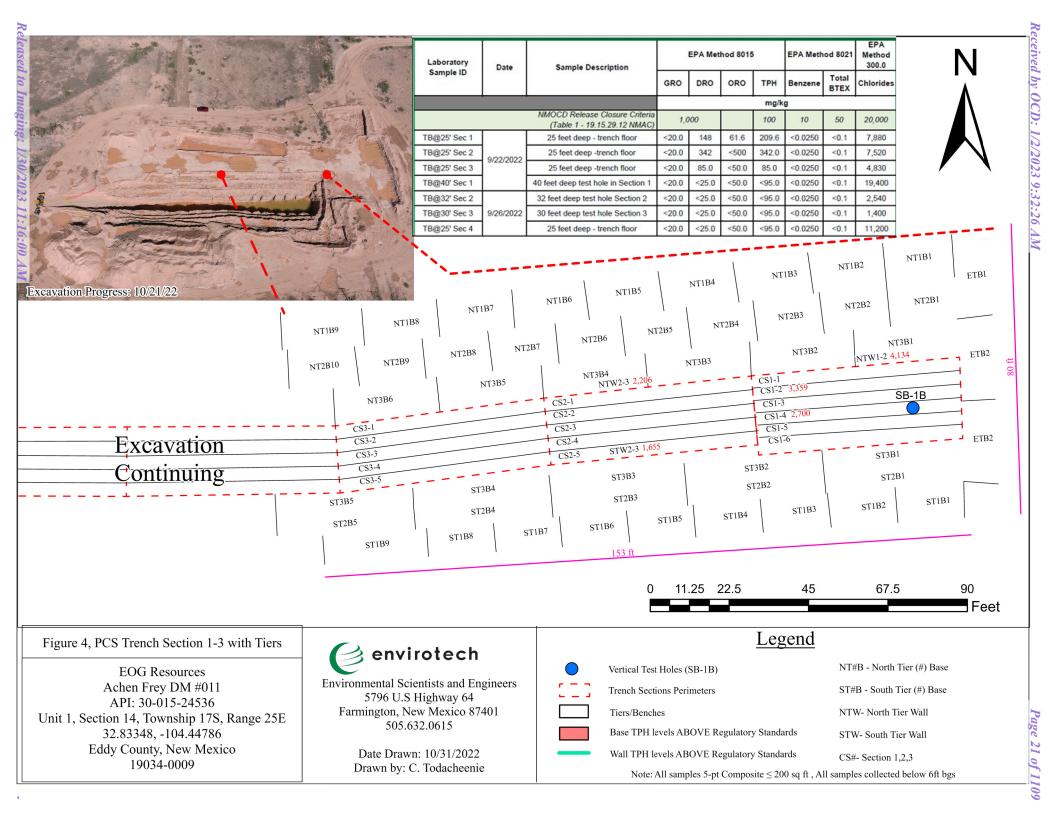


### envirotech

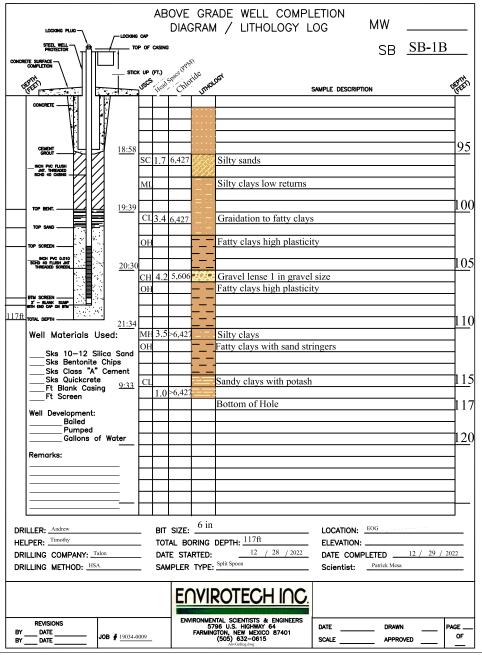
Environmental Scientists and Engineers 5796 U.S Highway 64 Farmington, New Mexico 87401 505.632.0615

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





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## 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

			•	county, Ne ject #1903					
Laboratory Sample	Date	Sample Description		EPA Met	hod 8015		EPA Met	hod 8021	EPA Method 300.0
ID	Date	Sample Description	GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
NMOCD Re		Criteria for Soil >4 ft bgs le 1 - 19.15.29.12 NMAC)	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			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	97.2
CS-256	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	386
CS-257	1/21/2022	Dase @ 4 leet	<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	1/21/2022	Dase @ 4 leet	<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			<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	7/07/0000	Dags @ 4 fact	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-272	7/27/2022	Base @ 4 feet	<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			<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	7/07/0000	<b>D</b> 0.44	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	244
CS-289	7/27/2022	Base @ 4 feet	<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
	1	i l		1					



<25.0

<25.0

422

375

<50.0

<50.0

320.0

633

<95.0

<95.0

742

1,008

< 0.0250

< 0.0250

< 0.0250

< 0.0250

< 0.100

< 0.100

< 0.100

< 0.100

<20.0

<20.0

<20.0

<20.0

589

401

523

<20.0

CS-292

CS-293

CS-294-8

CS-295-6

7/27/2022

12/1/2022

11/16/2002

Base @ 4 feet Base @ 6 feet

Base @ 8 feet

Base @ 4 feet Base @ 6 feet

## 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

			Pro	ject #1903	4-0009				
CS-296			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	291
CS-297	7		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	519
CS-298	7		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	348
CS-299	7		<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	7/27/2022	Base @ 4 feet	<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	1		<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	$\dashv$		<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-312	┥		<20.0	33.7	<50.0	33.7	<0.0250	<0.100	310
CS-314	7/27/2022	Base @ 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	56.7
CS-314	$\dashv$		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	304
CS-315 CS-316	$\dashv$		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	137
CS-310 CS-317	$\dashv$		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	128
CS-317 CS-318	$\dashv$		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	113
CS-316 CS-319	-		-						336
	-		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	
CS-320	7/27/2022	Dana @ 4 fact	<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	Dase & 4 1661	<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	Dase & 4 1881	<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



### 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

			-	ject #1903	ew Mexico 84-0009				
CS-336-14		Base @ 14 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,020
334/336 W Wall	12/2/2022		<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			<20.0	694	<1,000	694	<0.0250	<0.100	1,760
334/366 S Wall B		334/336 Excavation	<20.0	794	1,060	1,854	<0.0250	<0.100	1,640
334/336 E Wall	12/8/2022	(4 to 14 feet)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	2,820
34/336 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	641
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		<0.100	275
							<0.0250		
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	_ (0_ (0_ 0_ 0		<20.0	25.6	<50.0	25.6	<0.0250	<0.100	354
CS-347	7/27/2022	Base @ 4 feet	<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	
CS-351		Base @ 4 feet							392 713
	7/27/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	
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			<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	7/28/2022	Base @ 4 feet	<20.0	31.6	<50.0	31.6	<0.0250	<0.100	173
CS-357		222 O	<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	7/00/0000	D @ 44	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	473
CS-362	7/28/2022	Base @ 4 feet	<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



### 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

			Pro	ject #1903	4-0009				
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			<20.0	<25.0	<50.0	<95.0	< 0.0250	<0.100	59.1
CS-375	7/28/2022	Base @ 4 feet	<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			<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	7/28/2022	Base @ 4 feet	<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			<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	7/28/2022	Base @ 4 feet	<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	1/20/2022		<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



# 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

			Pro	ject #1903	4-0009				
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-421			<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	1/20/2022		<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									,
CS-427			<20.0	2,390	2,520	4,910	<0.0250 <0.0250	<0.100	5,390
CS-427			<20.0	190	<250	440		<0.100	23,900
CS-429			<20.0	<25.0	<50.0	<95.0 377	<0.0250	<0.100	4,270
CS-429 CS-430			<20.0	377	<50.0		<0.0250	<0.100	20,200
			<20.0	6,950	3,950	10,900	<0.0250		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	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	35.2
CS-443		feet	<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		Nowth Wall	<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		0.0 to 7 100t	<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
00-400						1	<del></del>	+	
CS-454*			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	1,690



## 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

Eddy County, New Mexico Project #19034-0009

CS-456	1		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	323
CS-457	1	East Wall 0.5 to 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	226
CS-458	7/20/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	198
CS-459	7/28/2022	Southeast Wall	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	25.6
CS-460	1	0.5 to 4 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	<20.0
CS-461	Ī	Island East Wall	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	30.3
CS-462	1	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	1	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

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



<sup>\*</sup>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	Date	Sample Description		EPA Me	thod 8015		EPA Met	hod 8021	EPA Method 300.0
ID	Date	Sample Description	GRO	DRO	ORO	ТРН	Benzene	Total BTEX	Chlorides
	NMOC	D 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		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		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	10/5/2022	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		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	11/2/2022	South Trench Wall (13-15 feet bgs)	<20.0	50.3	<50.0	50.3	<0.0250	0.105	1,270
STW2-3	11/2/2022	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
	Date	Sample Description	GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
	NMOCD Release Closure Criteria for Soil >4 ft bgs (Table 1 - 19.15.29.12 NMAC)				-	2,500 mg/kg	10 mg/kg	50 mg/kg	20,000 mg/kg
CS4-1			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	676
CS4-2		Section 4 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	494
CS4-3		Section 4 Base @ 25 feet	<20.0	29.3	<50.0	29.3	<0.0250	<0.1	1,270
CS4-4	11/9/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	406
CS-5-1	11/5/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	5,280
CS-5-2		Section 5 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	6,100
CS-5-3		Couldn't Base @ 25 leet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,340
CS-5-4			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,750
CS-6-1		Section 6 Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,890
CS-6-2	11/15/2022	Occitor o Base @ 25 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,800
CS-6-3	11/15/2022	Section 6 Base @ 19.5 to 22 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,030
CS-6-4		Section 6 Base @ 14 to 19.5 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,450
NTW-4-1			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,610
NTW-4-2		North Trench Wall Section 4	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,280
NTW-4-3		feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,320
NTW-4-4	11/9/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	740
NTW 5-1	11/9/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,430
NTW 5-2		North Trench Wall Section 5 (10 feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,250
NTW 5-3			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,420
NTW 5-4			<20.0	208	140	348	<0.0250	<0.1	8,080
NTW6-1		North Trench Wall Section 6 (10 feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,390
NTW6-2	11/15/2022	North Trench Wall Section 6 (10 feet to 19.5 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,390
NTW6-3		North Trench Wall Section 6 (10 feet to 14, 10 to 19.5 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	122
STW 4-1			<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,890
STW 4-2		South Trench Wall Section 4 (10	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	8,110
STW 4-3		feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	7,180
STW 4-4			<20.0	1,550	1,110	2,660	<0.0250	0.305	11,900
STW 5-1	11/9/2022		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	5,290
STW 5-2		South Trench Wall Section 5 (10 feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	8,390
STW 5-3			<20.0	1,390	641	2,031	<0.0250	<0.1	9,200
STW 5-4			<20.0	3,190	1,400	4,590	<0.0250	0.316	8,610
STW6-1	S	South Trench Wall Section 6 (10 feet to 25 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	10,100
STW6-2	11/15/2022	South Trench Wall Section 6 (10 feet to 19.5 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	4,280
STW6-3	,,	South Trench Wall Section 6 (10 feet to 22 feet bgs)	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	20.8
STW6-4		South Trench Wall Section 6 (10 feet to 19.5 feet bgs)	<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



### 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 175, Range 25E Eddy County, New Mexico Project #19034-0009

								EPA Method	
Laboratory Sample	Date	Sample Description	EPA Method 8015				EPA Method 8021		300.0
ID.			GRO	DRO	ORO	TPH	Benzene	Total BTEX	Chlorides
		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		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 St1B9		8 feet bgs 8 feet bgs	<20.0	<25.0 <25.0	<50.0 <50.0	<95.0 <95.0	<0.0250 <0.0250	<0.1 <0.1	155 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 St3B1		8 - 12 feet bgs 16 feet bgs	<20.0	<25.0 <25.0	<50.0 <50.0	<95.0 <95.0	<0.0250 <0.0250	<0.1 <0.1	1,220 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	10/13/2022	8 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1 <0.1	1 120
NT1B6 NT1B7	10/13/2022	8 feet bgs 8 feet bgs	<20.0	<25.0 92.6	<50.0 123	<95.0 215.6	<0.0250 <0.0250	<0.1	1,120 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 NT2B7		12 feet bgs	<20.0	921 <25.0	392 <50.0	1,313	<0.0250	0.224	146
N12B7 NT2B8		12 feet bgs 12 feet bgs	<20.0	<25.0 <25.0	<50.0	<95.0 <95.0	<0.0250 <0.0250	0.0308	166 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 <20.0	<25.0 <25.0	<50.0 <50.0	<95.0	<0.0250	<0.1	1 090
NT3W2 NT3W3		12 - 16 feet bgs 12 - 16 feet bgs	<20.0	<25.0	<50.0	<95.0 <95.0	<0.0250 <0.0250	<0.1 <0.1	1,090 451
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
		8 - 12 feet bgs	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,730
ETW1		0 12 1001 290	420.0						

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	Date	Sample Description		EPA Me	thod 8015		EPA Met	EPA Method 300.0	
ID	Date	Sample Description	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		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	11/10/2022	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	11/10/2022	8 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,070
NT2B 11		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	11/10/2022	12 feet	<20.0	36.8	<50.0	36.8	<0.0250	<0.1	247
NT2B 14	11/10/2022	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		12 feet	<20.0	221	164	385	<0.0250	<0.1	821
NT2B 18	11/16/2022	12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,430
NT2W 4		8 - 12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	619
NT2W 5	11/10/2022	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		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	11/10/2022	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		16 feet	<20.0	69.8	<50.0	69.8	<0.0250	<0.1	1,900
NT3B 12	11/16/2022	16 feet	<20.0	284	241	525	<0.0250	<0.1	968
NT3W 4		12 - 16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	1,670
NT3W 5	11/10/2022	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		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	11/10/2022	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		12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,490
ST2B 8	11/16/2022	12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	197
ST2W 4		8 - 12 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	2,740
ST2W 5	11/10/2022	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		16 feet	<20.0	76.0	<50.0	76.0	<0.0250	<0.1	4,750
ST3B 7	11/10/2022	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		12 - 16 feet	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.1	3,640
ST3W 5	11/10/2022	12 - 16 feet	<20.0	488	314	802	<0.0250	<0.1	6,710
ST3W 6	11/16/2022	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



Received by OCD: 1/2/2023 9:32:26 AM

## 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	Date		EPA Met	hod 8015		EPA Meth	EPA Method 300.0	
ID		GRO	DRO	ORO	ТРН	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
SB-1B @ 40 ft		<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	12/28/2022	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	14,200
SB-1B @ 80 ft	12/20/2022	<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		<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	17,700
SB-1B @ 120 ft	12/29/2022	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.100	15,300



Achen Frey DM #011 Remediation Plan



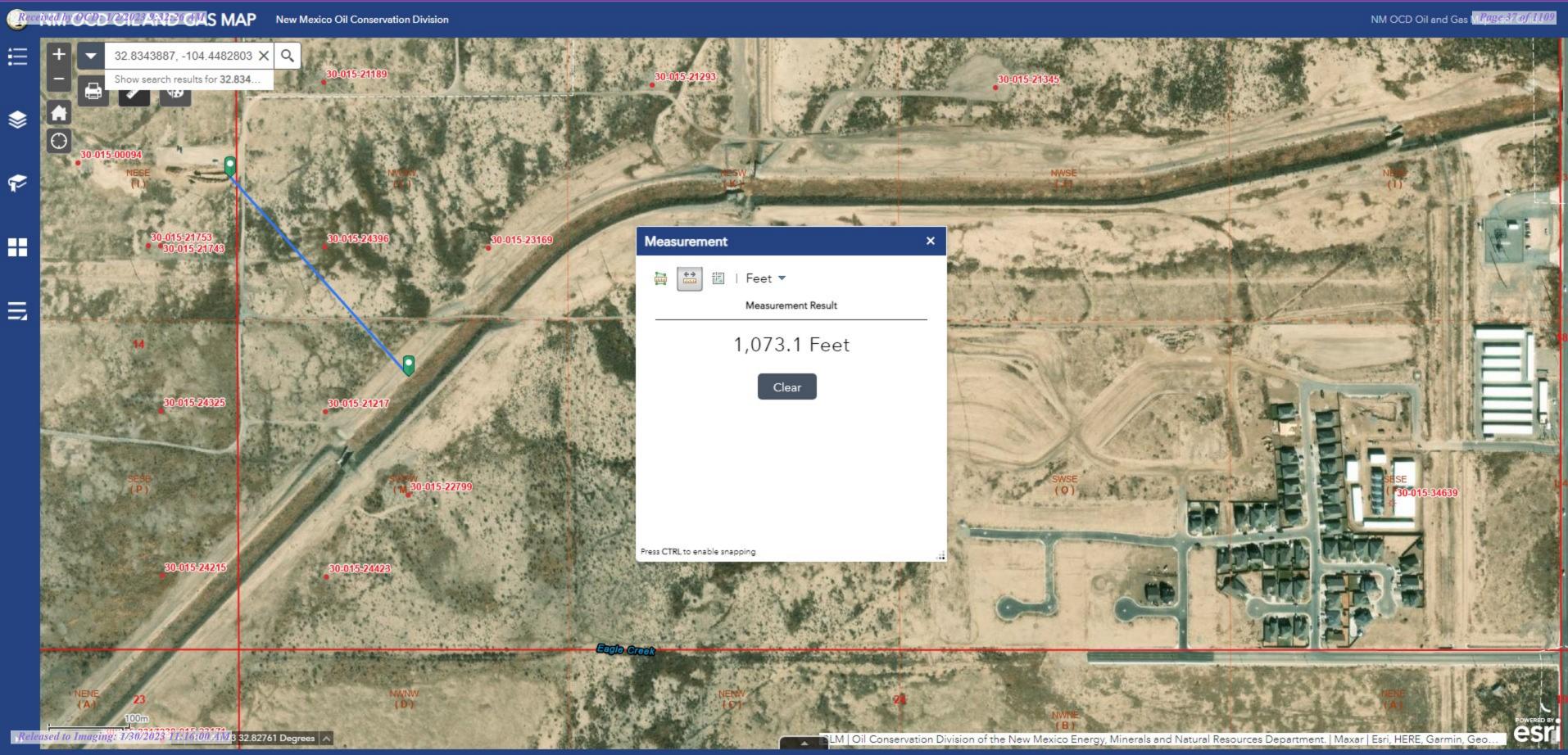
December 15, 2022

### Appendix 2

**Siting Criteria Documentation** 

Site Name:	Achen Frey DM	#11							
<b>API #:</b> 30-015-24536									
	32.8343887, -104								
	Unit I Section 14								
Land Jurisdiction: Private									
County:									
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 Mar-	ch 2022 on site - n	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				No					
<200' of any lakebed, sinkhole or playa lake (mo				No					
<300' of an occupied permanent residence, scho				No					
<500' of a spring or private/domestic water well	used by <5 house	holds for don	nestic or	No					
stock watering purposes									
<1000' of any water well or spring				No					
Within incorporated municipal boundaries or w	ithin a defined mu	nıcıpal fresh	water well	No					
<300' of a wetland With the second				No No					
	Within the area overlying a subsurface mine								
Within an unstable area									
Within a 100-year floodplain (original flood plain boundary effected site; however, Eagle Draw									
was constructed in 1995, removing flood risk)  DTW Determination ≤50 □ 50-100 □ >100 □									
DTW Determination  Benzene	10	10	100						
BTEX (mg/kg)		50	50						
8015 TPH (GRO/DRO) (mg/kg)		1,000	1,000						
8015 TPH (GRO/DRO/MRO) (mg/kg)		2,500	2,500						
Chlorides (mg/kg)		10,000	20,000						
Cinorides (ing/kg)  000   10,000   20,000									





(3 of 3)

#### **OSE Points of Diversion:**

Water Right Summary <u>More info</u>

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

OSE POD Locations

POD File RA-11744-POD1

Sub Basin RA

SOIL BORING	
LITHOLOGY LOG	

					LI	THOLOGY LOG SB	-
DESTRI	TIME	USE <sup>C</sup>	SAMPLE	HEADS!	ACE LITHO	SAMPLE DESCRIPTION	*
						D-10' bgs excavated	
151	1324		55	459.1	352	tan clayer sand, hydr rabor odar 15	17
20_	1347		55	54,8	ાપાઇ	grun tar clarger sand hydreador ada 2	دي دي
<u> 25</u>	1407		SS	36.5	1437	grey-7 brown clayen and hydrocarbon and a	9 <u>2</u> 5
30	1429		IJ	9.3	1567		3
35	1455		SS	15.4	1523		٠ <u>کڏ</u>
<u>40</u>	1520		55	4.8	1533	light tan Clayen sand white inchisions	40
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DRILLER: HELPER: DRILLING DRILLING Note: SS	COMPAN:	Y:HRL HSA		DATE	IZE: 2" L BORING E STARTED: PLER TYPE:	: 3/8/22 DATE COMPLETED 3/8/2022	- - -
					(3	envirotech	
REVIS BY DAT	TE	Proje	ect # 19034	0009		### AENTAL SCIENTISTS & ENGINEERS   DATE	

					SOIL BORING		~~ ~	
				L	THOLOGY LOG		SB = Z	
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			11:25					
50	19 59		>642:	)	Light Brown Clay like	w/white fee.	s, No odol	ಶ
			-					
55	16:03		76:23		Light Brown Clay	like soil no	ndor	
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					***	*****		
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			1					
•			1		<u></u>			
DRILLER:	<i>R</i>			ZE: 2"		LOCATION: Ach	en Frey DM #011	
	Cameron				DEPTH:	GPS COORDINA		
	COMPANY:		DATE	STARTED:	5/19/2022	DATE COMPLET	TED	<del></del>
	METHOD: <u>1</u> = Split Spoo	iSA n A = Auger	SAMI	LER TYPE:	c5 = 5  foot composi	SCIENTIST:I te from air cutting	SAH / TO A	
				0	envirotech			
	SIONS				ENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64	DATE	DRAWN	PAGE
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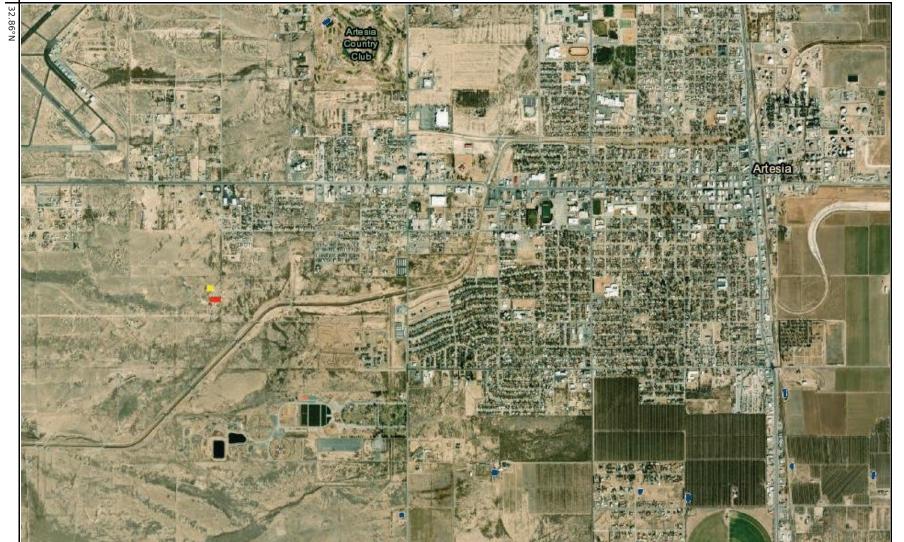
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DRILLER:	Camer				SIZE: 2"	DEPOTI.	GPS COORDIN	chen Frey DM #011	<del></del>
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	= Split Sp		= Auger			c5 = 5 foot compos			
					0	envirotech			
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Ja k			416:					(18)
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Wetlands and deepwater habitats in the state of New Mexico, USA

Achen Frey DM #011 well site



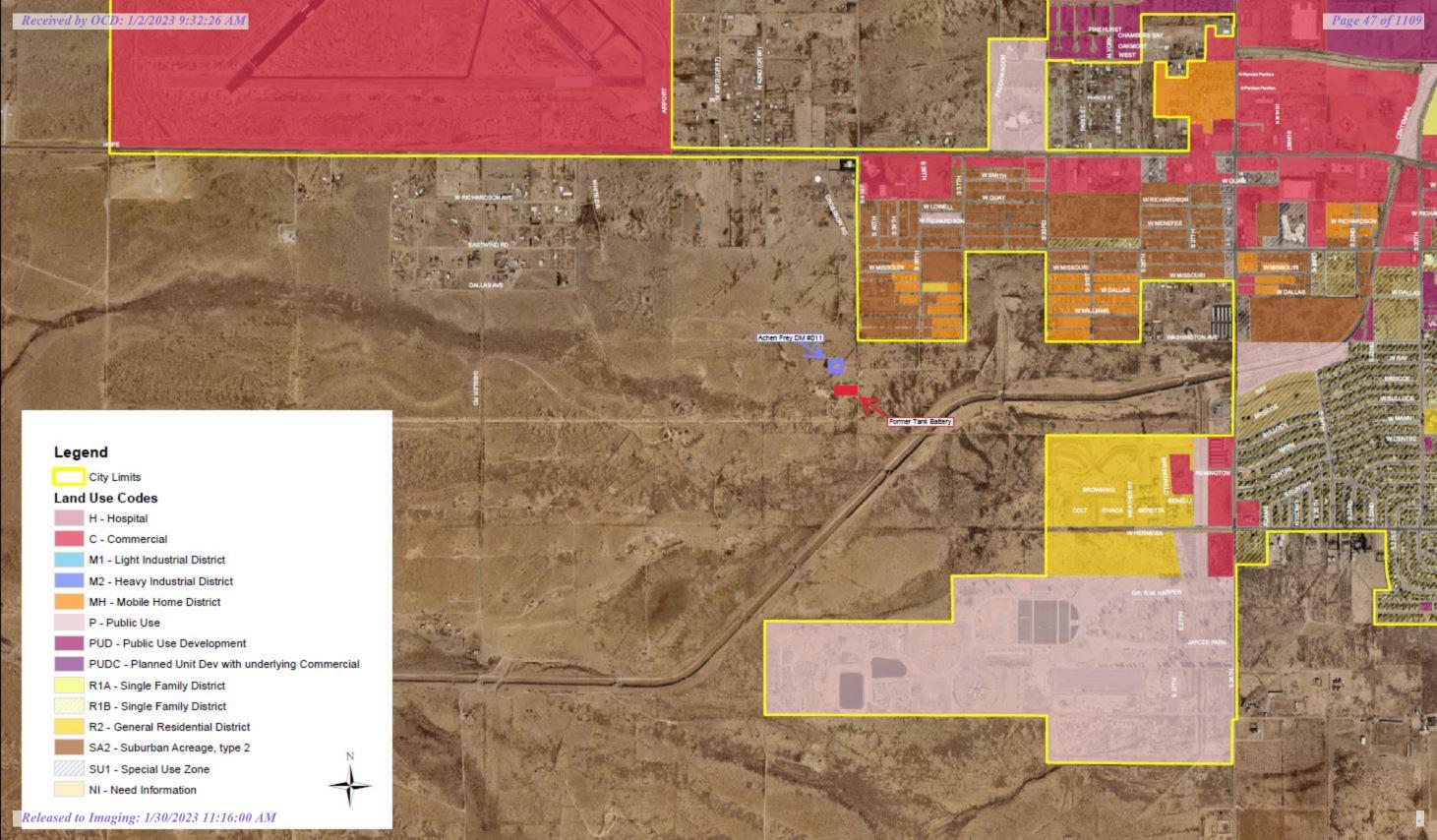


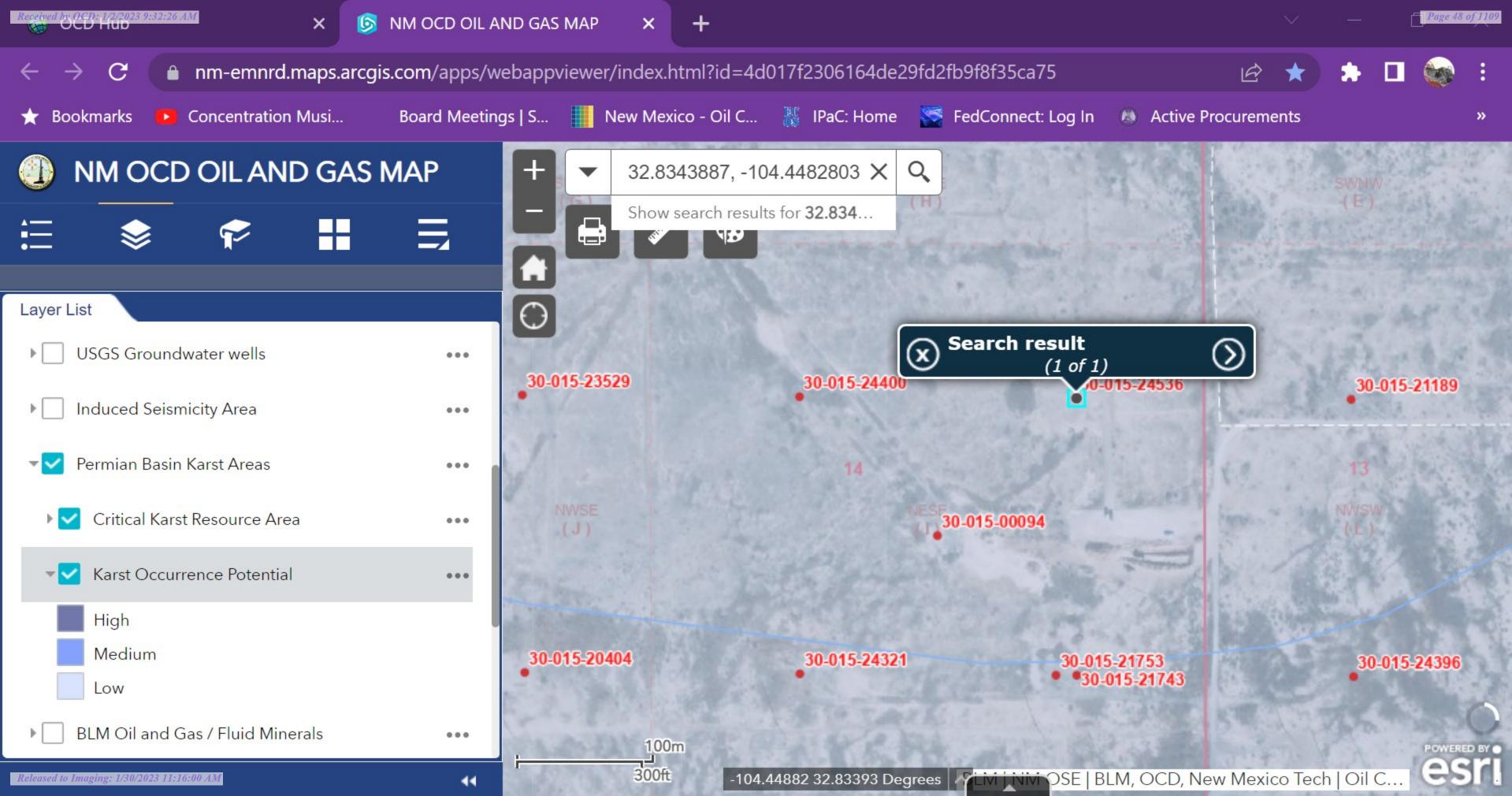
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DATA BASIN



0.8 km (0.5 miles)





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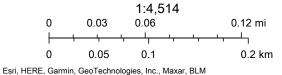


# 2022 Aerial Illustrating Change in Vegetation in Former Flood Plain



11/29/2022, 4:59:19 PM - - PLSS Second Division

PLSS First Division



Achen Frey DM #011 Remediation Plan



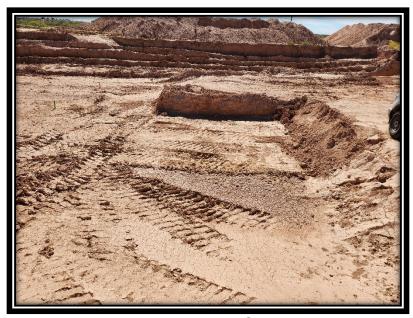
December 15, 2022

### Appendix 3

**Site Photography** 



Picture 1: PCS Trench and Tiers



Picture 2: Tiers and Stockpiles



Picture 3: Excavation Progress



Picture 4: PCS Trench Excavation



Picture 5: PCS Trench



Picture 6: Excavation Extents, December 5, 2022



Picture 7: Drilling SB-1B



Picture 8: Stockpile Sampling

Achen Frey DM #011 Remediation Plan

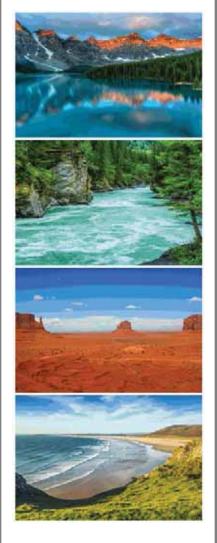


December 15, 2022

### Appendix 4

**Laboratory Analytical Reports** 

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/03/22 15:06

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.



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

### CS-254 E207190-01

		220.170 01					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2232014
Benzene	ND	0.0250	1	l	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	1	0	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	532	500	1	0	08/01/22	08/01/22	
Surrogate: n-Nonane		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	1	08/01/22	08/02/22	



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

#### **CS-255**

		Reporting					
Analyte	Result	Limit	Dil	lution	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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### **CS-256**

		E207190-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### **CS-257**

_		Reporting					
Analyte	Result	Limit	Dilu	ution	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	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		99.3 %	50-200		08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232006
Amons by ETA 500.0/7050A							



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

#### **CS-258**

	Reporting								
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RI	KS		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			
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/01/22	08/02/22			
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/01/22	08/02/22			
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RI	KS		Batch: 2232014		
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/02/22			
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/01/22	08/02/22			
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/01/22	08/02/22			
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: Kl	M		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			
Surrogate: n-Nonane	·	99.4 %	50-200		08/01/22	08/01/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2232006		
Amons by EFA 500.0/9030A									



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

#### CS-259

Reporting								
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Rl	KS		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		
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/02/22		
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		08/01/22	08/02/22		
Surrogate: Toluene-d8		105 %	70-130		08/01/22	08/02/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Rl	KS		Batch: 2232014	
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/02/22		
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/02/22		
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		08/01/22	08/02/22		
Surrogate: Toluene-d8		105 %	70-130		08/01/22	08/02/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		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		
Surrogate: n-Nonane		103 %	50-200		08/01/22	08/01/22		
	mg/kg	mg/kg		Analyst: R	AS		Batch: 2232006	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		i interjeti re	. 10		Baten: 2232000	



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

#### **CS-260**

	Reporting								
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RK	XS .		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			
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22			
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/02/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2232014		
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/02/22			
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/02/22			
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/02/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KN	И		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			
Surrogate: n-Nonane		98.1 %	50-200		08/01/22	08/01/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	\S		Batch: 2232006		
Amons by EPA 500.0/9050A	<u> </u>								



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

### CS-261

E20		

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RI	KS		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	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg Analyst: RKS		KS		Batch: 2232014	
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Surrogate: n-Nonane	·	104 %	50-200		08/01/22	08/01/22	
	mg/kg	mg/kg	1	Analyst: RA	AS		Batch: 2232006
Anions by EPA 300.0/9056A	mg/kg	mg ng					



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

#### **CS-262**

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2232014
Benzene	ND	0.0250	1	0	8/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	. 0	8/01/22	08/02/22	
Toluene	ND	0.0250	1	. 0	8/01/22	08/02/22	
o-Xylene	ND	0.0250	1	. 0	8/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	. 0	8/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	. 0	8/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	0	8/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	8/01/22	08/02/22	
Surrogate: Toluene-d8		105 %	70-130	0	8/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg Analyst: RKS				Batch: 2232014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 0	8/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	0	8/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	8/01/22	08/02/22	
Surrogate: Toluene-d8		105 %	70-130	0	8/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg		Analyst: KM			Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	. 0	8/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	. 0	8/01/22	08/01/22	
Surrogate: n-Nonane		85.1 %	50-200	0	8/01/22	08/01/22	
A	mg/kg	mg/kg	1	Analyst: RAS			Batch: 2232006
Anions by EPA 300.0/9056A	gg	88		-			



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

### **CS-263**

E207190-10							
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg		Analyst	: RKS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

### **CS-264**

		E207190-11					
Reporting							
Analyte	Result	Limit	Dilu	ıtion	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	į	1	08/01/22	08/02/22	
Toluene	ND	0.0250	į	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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### CS-265

E20719	0-12
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		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.8 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		102 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2232006
	528	20.0		1	08/01/22	08/02/22	·

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

#### CS-266 E207190-13

		120/1/0 10					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
					•	Allaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RI			Batch: 2232014
Benzene	ND	0.0250	1	1	08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/02/22	
Toluene	ND	0.0250	1	1	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RI	KS		Batch: 2232014
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: Kl	М		Batch: 2232019
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/01/22	08/02/22	
Surrogate: n-Nonane		102 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2232006
Chloride	495	20.0	1	1	08/01/22	08/02/22	



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

#### **CS-267**

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	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	į	1	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		104 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232006
Amons by ETA 500.0/7030A							



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

#### **CS-268**

		E207190-15					
Reporting							
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		97.6 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232006
		•					

20.0

08/01/22

08/02/22

ND



Chloride

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

#### **CS-269**

		Reporting					
Analyte	Result	Limit	Dilu	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene		99.7 %	70-130	08	2/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	08	2/01/22	08/02/22	
Surrogate: Toluene-d8		106 %	70-130	08	2/01/22	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	
Surrogate: Bromofluorobenzene		99.7 %	70-130	08	2/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	08	2/01/22	08/02/22	
Surrogate: Toluene-d8		106 %	70-130	08	2/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		106 %	50-200	08	2/01/22	08/02/22	
		mg/kg		Analyst: RAS			Batch: 2232006
Anions by EPA 300.0/9056A	mg/kg	ilig/kg		maryst. 10 to			Daten. 2232000



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

#### **CS-270**

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



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

#### CS-271

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2232014
Benzene	ND	0.0250	1		08/01/22	08/02/22	
Ethylbenzene	ND	0.0250	1	l	08/01/22	08/02/22	
Toluene	ND	0.0250	1	l	08/01/22	08/02/22	
o-Xylene	ND	0.0250	1	l	08/01/22	08/02/22	
p,m-Xylene	ND	0.0500	1	l	08/01/22	08/02/22	
Total Xylenes	ND	0.0250	1		08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	l	08/01/22	08/02/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	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	l	08/01/22	08/02/22	
Surrogate: n-Nonane	·	104 %	50-200		08/01/22	08/02/22	
	/1	mg/kg		Analyst: F	RAS		Batch: 2232006
Anions by EPA 300.0/9056A	mg/kg	ilig/kg		z tilai y st. i	C ID		Datell. 2232000



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

#### **CS-272**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: R	KS		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		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	
Surrogate: n-Nonane		104 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2232006
Amons by ETA 500.0/3050A							



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

#### **CS-273**

		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.1 %	70-130		08/01/22	08/02/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		08/01/22	08/02/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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 ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/20223:06:55PM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				8/	3/2022 3:06:55PM
	Vo	olatile Organ	ic Compo	unds by EP	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232014-BLK1)						]	Prepared: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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			

0.500

105

70-130



Surrogate: Toluene-d8

0.526

Gasoline Range Organics (C6-C10)

Surrogate: Bromofluor obenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/20223:06:55PM

Nonhalogenated	Organics b	ov EPA	8015D -	GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232014-BLK1)						I	Prepared: 0	8/01/22 Analy	yzed: 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)						I	Prepared: 0	8/01/22 Analy	yzed: 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)						I	Prepared: 0	8/01/22 Analy	yzed: 08/02/22

0.500

0.500

0.500

20.0

0.496

0.478

0.535

115

99.2

95.6

107

70-130

70-130

70-130

70-130



### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/2022 3:06:55PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					8/3/2022 3:06:55PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232019-BLK1)							Prepared: 0	8/01/22 An	alyzed: 08/01/22
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
.CS (2232019-BS1)							Prepared: 0	8/01/22 An	alyzed: 08/01/22
riesel Range Organics (C10-C28)	211	25.0	250		84.4	38-132			
urrogate: n-Nonane	45.0		50.0		89.9	50-200			
Matrix Spike (2232019-MS1)				Source:	E207190-0	09	Prepared: 0	8/01/22 An	alyzed: 08/01/22
riesel Range Organics (C10-C28)	134	25.0	250	ND	53.6	38-132			
urrogate: n-Nonane	48.2		50.0		96.3	50-200			
Matrix Spike Dup (2232019-MSD1)				Source:	E207190-0	09	Prepared: 0	8/01/22 An	alyzed: 08/01/22
tiesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132	50.9	20	R3
urrogate: n-Nonane	50.2		50.0		100	50-200			



### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		chen Frey DM 9034-0009	I #11				Reported:
Artesia NM, 88210		Project Manager:	G	reg Crabtree					8/3/2022 3:06:55PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232006-BLK1)							Prepared: 0	8/01/22	Analyzed: 08/02/22
Chloride	ND	20.0							
LCS (2232006-BS1)							Prepared: 0	8/01/22	Analyzed: 08/02/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2232006-MS1)				Source:	E207190-0	)1	Prepared: 0	8/01/22	Analyzed: 08/02/22
Chloride	316	20.0	250	74.9	96.4	80-120			
Matrix Spike Dup (2232006-MSD1)				Source:	E207190-0	)1	Prepared: 0	8/01/22	Analyzed: 08/02/22
Chloride	344	20.0	250	74.9	108	80-120	8.46	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/03/22 15:06

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 In	formation					Chain of Custo	dy						Pay	je
	chen Frey D				Bill To Attention:		Lab	Lab U	Job Number	1D 2D	TAT 3D	Standard	EPA P	ogram SDWA
Project N Address: City, State Phone:	tanager: Gre e, Zip	g Crabtre	e		Address: City, State, Zip Phone: Email:		Ea	01140	19034-0009 Analysis and Metho		П	-	State	RCRA
mall: All	-						200					NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matria	No. of Corlaining	Sample ID		Lab Number	300						Remarks	
21:18	7-27-4	5	1	CS-255	1	1	X							
8:46	1		1	CS - 255		2	1							
2:49				cs-256		3								
7:54				CS-257		4								
8:56				CS-258		5								
3:59				C5-259		6								
9:63				CS-260		7								
7.07				CS-261		8								
4:11				CS-267		9								
9:14	-	1	1	CS-263	7	10	14							
Addition	al Instruction	ns:												
					aware that tampering with or bidentionally ma		scation,		forging requiring thermal posterior in the of son and fermi					ed er omgiver
	ed by: (Secutor		7	27-22 is.	Received by Signature)	7.27	.22	1505	Received on ice:	O/ t	Ise Only	-		
Relinquish	ed by: (Signatur Rs by: (Signy) full	2	Date Date	27.22 /6	45 Received by (Signature)	te 7/28	12	10:13	11.	<u>12</u>		T3		
0	0			0.000		Contains	r Tyru	randas no	AVG Temp °C poly/plastic, ag - amb	er elass v	- VOA			
Note: Sam	ples are discard analizable only	ed 30 days	after resu	its are reported unle	ns other arrangements are made. Hazar ory with this COC. The liability of the labo	rdous samples will be	return	ed to client or	disposed of at the client	expense.	The repo	ort for the analy	sis of the at	ove

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Project Information

Page 2 of 7

Client: El	06					Bill To			Lab	Usi	e Only			TA			EPA	Program	n.
	Achen Frey D	M#11			A	ttention:		Lab \	190m	J	Job Number	10	2D	30	Sta	ndard	CWA	SDV	/Α
Project 1	Manager: Gre	Crabtre	e		18	ddress:		Ea	07190	)	19034-0009					х		-	_
Address					1	ity, State, Zip				-/	Analysis and Metho	d	-		_			RC	_
City, Star	te, Zip				1	hone:							1		-		State	2	-
Phone:					E	mail:									-	_	State		-
Email: A	Enviro							U		-						NM CO	UT A	Z TX	
Report d	lue by:							0		-						*		- 10	
Time	Data Sampled	Matrix	. No. of	Sample ID			Lab	8 D		-				1.1			Remark	ks.	
Sampled	April Jamp 11		Custome	and a special residence			Number	-		+		+	+	+	-				_
9:18	7-27-22	5	1	CS-Z	64		1	X		4		L	1						_
9:22	1	1	1	CS-Z	65		12					L							
9:25				C5-2	66		13												
9.40				C5-2	67		14												
9:45				CS - 2	.68		15												
9:49				cs - 2	69		14												
9:52				cs-	270		17												
1:58		1		CS - 7	271		18												
10:03				CS-	4 2 11		19					T	T	П					
10:09	1			CS -			20	1		7		T	T						
Name and Address of the Owner, where	nal Instructio	ns:						-							-				
), (field san	spler), wheat to the	validity and	guthenticit	of this sample	t, fam aware t	hat tampering with or intentionally midu	shelling the sample to	cation.			Species, requiring theorists patient in location and term							ngilod ár yer	-
date or tim	e of collection is a	unsidered fro	not and may	be grounds to	r legal action.	Sampled by Kholaton	Sanchei			. [	PHILIP THE PROPERTY.					102411103			
Helinguis	hed by: (Signatur	r).	Pote	24-71	15.05 Tone	Received by: (Signature)		22	1535		Received on ice:		5/1	lse Onl	ly.				
Relinquis	hed by: (Signatur	2/_		27.72			- 7/28	122	10:13	,	T1	T2	X H IV V		3	13			
Control	hed by: (Signal	सी	Date		Time	Received by: (Signature)	Dine		Time		AVG Temp "C	4							
	atric \$ - Soil, \$d - 5	tid day the	for A. Anis	our D. Other			Containe	r Type	e - alass, n -		ily/plastic, ag - amb	er ni:	355. V	- VOA:					

Chain of Custody

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

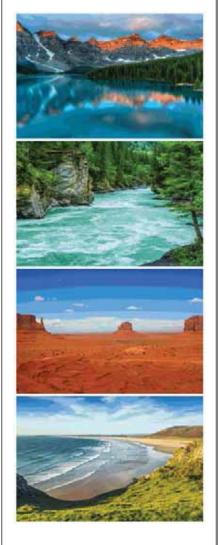
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone   City	Client:	EOG Resources	Date Received:	07/28/22 10:	:13	Work Order ID:	E207190
Chain of Custody (COC)   1. Does the sample ID match the COC?   Yes	Phone:	(575) 748-4217	Date Logged In:	07/28/22 10:	:58	Logged In By:	Caitlin Christian
1. Does the sample ID must the COC? 2. Does the number of sampling per sampling is telecation match the COC 3. Were analyse fortyped off by client or carrier? 4. Was the COC complete, i.e., signatures, datestimes, requested analyse? 5. Were all samples received within bolding time? 6. Does the Analysis, such a pelt which should be conduced in the field, i.e., 15 minute bold time, are on included in this discussion. 6. Did the COC clinicate standard TAT, or Expedited TAT? 6. Did the COC includes the sample of the conditions? 6. Did the COC includes the sample of the conditions? 6. Was a sample cooler received in good condition? 6. Were classfully exercised intert. i.e., not broken? 6. Were classfully exercised intert. i.e., not broken? 7. Was a sample cooler received in good condition? 7. Was a sample received in its first plant in the sample state of the	Email:		Due Date:	08/03/22 17:	:00 (4 day TAT)		
1. Does the sample ID must the COC? 2. Does the number of sampling per sampling is telecation match the COC 3. Were analyse fortyped off by client or carrier? 4. Was the COC complete, i.e., signatures, datestimes, requested analyse? 5. Were all samples received within bolding time? 6. Does the Analysis, such a pelt which should be conduced in the field, i.e., 15 minute bold time, are on included in this discussion. 6. Did the COC clinicate standard TAT, or Expedited TAT? 6. Did the COC includes the sample of the conditions? 6. Did the COC includes the sample of the conditions? 6. Was a sample cooler received in good condition? 6. Were classfully exercised intert. i.e., not broken? 6. Were classfully exercised intert. i.e., not broken? 7. Was a sample cooler received in good condition? 7. Was a sample received in its first plant in the sample state of the	Chain of	Custody (COC)					
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20. Were field sample labels filled out with the minimum information: Sample ID? Pate/Time Collected? Collectors name? Yes  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  44. Is lab filteration required and/or requested for dissolved metals? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. 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  No  Subcontract Laboratory specified by the client and if so who? NA  Subcontract Lab: na		** *					
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Collectors name? Yes  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  No  No  Subcontract Laboratory specified by the client and if so who? No  No  Subcontract Laboratory specified by the client and if so who? No  Subcontract Laboratory specified by the client and if so who? No  Subcontract Laboratory specified by the client and if so who? No  Subcontract Lab: na	S	ample ID?		Yes			
Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and/or requested for dissolved metals?  24. Is lab filteration required and/or requested for dissolved metals?  25. Does the sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  No  Subcontract Laboratory specified by the client and if so who?  NA  Subcontract Lab: na				Yes			
21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  25. Does the sample have more than one phase, i.e., multiphase?  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  NO  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  NO  NO  NO  Subcontract Laboratory specified by the client and if so who?  NA  Subcontract Lab: na				Yes			
22. Are sample(s) correctly preserved?  24. Is lab filteration 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			10				
24. Is lab filteration required and/or requested for dissolved metals?  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		•	reserved?				
Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  No  No  Subcontract Laboratory specified by the client and if so who?  NA  Subcontract Lab: na			- oto1o9				
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		•	ietais?	NO			
27. If yes, does the COC specify which phase(s) is to be analyzed?  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  No  No  No  No  No  No  No  N		<u> </u>	_				
Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na							
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	27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na	Subcontr	act Laboratory					
	28. Are sa	amples required to get sent to a subcontract laborato	ry?	No			
Client Instruction	29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	o: na	
	Client I	struction					
	1						
	1						
	L						

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

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Envirotech Web Address: www.envirotech-inc.com



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### **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



Chloride

# Sample Data

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

### **CS-274**

		E207191-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		96.9 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2232007

20.0

128

08/01/22

08/01/22



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

#### **CS-275**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		96.3 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2232007
Chloride	20.4	20.0	1	08/01/22	08/02/22	



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

#### **CS-276**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		97.1 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232007
Chloride	68.3	20.0	1	08/01/22	08/02/22	



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

#### **CS-277**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2232007
Chloride	ND	20.0	1	08/01/22	08/02/22	_

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

#### **CS-278**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		86.7 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2232007
Chloride	ND	20.0	1	08/01/22	08/02/22	



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

#### **CS-279**

		ъ.				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		93.5 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2232007
Chloride	408	20.0	1	08/01/22	08/02/22	_



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

#### **CS-280**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		99.9 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2232007
Chloride	185	20.0	1	08/01/22	08/02/22	



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

#### **CS-281**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232007
Chloride	129	20.0	1	08/01/22	08/02/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### **CS-282**

Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0500	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
	112 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
ND	20.0	1	08/01/22	08/02/22	
	108 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	An	alyst: KM		Batch: 2232021
ND	25.0	1	08/01/22	08/01/22	
ND	50.0	1	08/01/22	08/01/22	
	98.7 %	50-200	08/01/22	08/01/22	
	7	A	-14. IZI		Batch: 2232007
mg/kg	mg/kg	An	alyst: KL		Batch: 2232007
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           Il2 %         mg/kg           mg/kg         mg/kg           ND         20.0           I08 %         mg/kg           ND         25.0           ND         50.0	mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0         1           108 %         70-130           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1           98.7 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         08/01/22           ND         50.0         1         08/01/22           ND         50.0         1         08/01/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/01/22         08/02/22           ND         0.0250         1         08/01/22         08/02/22         08/02/22         08/02/22         08/02/22         08/02/22         08/02/22         08/02/22         08/01/22         08/02/22         08/02/22         08/02/22         08/02/22         08/01/22         08/02/22



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104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### **CS-283**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		114 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2232007
Chloride	1980	20.0	1	08/01/22	08/02/22	



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

#### **CS-284**

	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2232015
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0500	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
	110 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2232015
ND	20.0	1	08/01/22	08/02/22	
	107 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2232021
ND	25.0	1	08/01/22	08/01/22	
ND	50.0	1	08/01/22	08/01/22	
	102 %	50-200	08/01/22	08/01/22	
	102 /0	00 200			
mg/kg	mg/kg		nalyst: KL		Batch: 2232007
	ND ND ND ND ND ND ND Mg/kg ND	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250  110 %  mg/kg mg/kg ND 20.0  107 %  mg/kg mg/kg ND 25.0	ND 0.0250 1  ND 0.0500 1  ND 0.0250 1  ND 0.0250 1   ND 0.0250 1  110 % 70-130  mg/kg mg/kg A  ND 20.0 1  107 % 70-130  mg/kg mg/kg A  ND 25.0 1	ND 0.0250 1 08/01/22 ND 0.0500 1 08/01/22 ND 0.0250 1 08/01/22 ND 0.0250 1 08/01/22 ND 0.0250 1 08/01/22  I10 % 70-130 08/01/22  mg/kg mg/kg Analyst: IY  ND 20.0 1 08/01/22  mg/kg mg/kg Analyst: KM  ND 25.0 1 08/01/22	ND 0.0250 1 08/01/22 08/02/22 ND 0.0500 1 08/01/22 08/02/22 ND 0.0500 1 08/01/22 08/02/22 ND 0.0500 1 08/01/22 08/02/22 ND 0.0250 1 08/01/22 08/02/22 ND 0.0250 1 08/01/22 08/02/22 ND 0.0250 1 08/01/22 08/02/22  110 % 70-130 08/01/22 08/02/22  mg/kg mg/kg Analyst: IY  ND 20.0 1 08/01/22 08/02/22  mg/kg mg/kg Analyst: KM  ND 25.0 1 08/01/22 08/01/22



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#### **CS-285**

Notes  Batch: 2232015
Batch: 2232015
Batch: 2232015
Batch: 2232021
Batch: 2232007



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104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### **CS-286**

	- ·				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
ND	0.0500	1	08/01/22	08/02/22	
ND	0.0250	1	08/01/22	08/02/22	
	111 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
ND	20.0	1	08/01/22	08/02/22	
	108 %	70-130	08/01/22	08/02/22	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2232021
ND	25.0	1	08/01/22	08/02/22	
ND	50.0	1	08/01/22	08/02/22	
	101 %	50-200	08/01/22	08/02/22	
mg/kg	mg/kg	Analy	yst: KL		Batch: 2232007
mg/kg	mg/kg		,		
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           III %         mg/kg           ND         20.0           I08 %         mg/kg           ND         25.0           ND         50.0           I01 %	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         20.0250         1           ND         20.0         1           108%         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           101%         50-200         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         08/01/22           ND         50.0         1         08/01/22           101 %         50-200         08/01/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/01/22         08/02/22           ND         0.0250         1         08/01/22         08/02/22



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#### **CS-287**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		104 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2232007
Chloride	298	20.0	1	08/01/22	08/02/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### **CS-288**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	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	
Surrogate: n-Nonane		98.4 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2232007
Chloride	244	20.0	1	08/01/22	08/02/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### **CS-289**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		103 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2232007
Chloride	126	20.0	1	08/01/22	08/02/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### CS-290

		D .:				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2232007



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### CS-291

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	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	
Surrogate: n-Nonane		100 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232007
Chloride	502	20.0	1	08/01/22	08/02/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 3:13:47PM

#### CS-292

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0500	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
	111 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232015
ND	20.0	1	08/01/22	08/03/22	
	107 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2232021
ND	25.0	1	08/01/22	08/02/22	
ND	50.0	1	08/01/22	08/02/22	
	101 %	50-200	08/01/22	08/02/22	
mg/kg	mg/kg	Analy	yst: KL		Batch: 2232007
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           III %         mg/kg           ND         20.0           I07 %         mg/kg           ND         25.0           ND         50.0           I01 %	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         20.0250         1           ND         20.0         1           107%         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           101%         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         08/01/22           ND         50.0         1         08/01/22           101 %         50-200         08/01/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0500         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         08/01/22         08/02/22           ND         50.0         1         08/01/22         08/02/22           ND         50.0         1         08/01/22         08/02/22           ND         50.0         1         08/01/22         08/02/22



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

### CS-293

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232007
Chloride	401	20.0	1	08/01/22	08/02/22	·



Surrogate: 4-Bromochlorobenzene-PID

9.48

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/20223:13:47PM

Artesia NM, 88210		Project Manage		reg Crabtree				8	3/3/2022 3:13:47PM
		Volatile (	Organics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232015-BLK1)							Prepared: 0	8/01/22 Ana	alyzed: 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: 0	8/01/22 Ana	alyzed: 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: 0	8/01/22 Ana	alyzed: 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	

118

70-130



### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/20223:13:47PM

Nonhalogenated	<b>Organics</b>	by EPA	8015D -	GRO

Anal	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2232015-BLK1)						Prepared: 08	8/01/22	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	8/01/22	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	8/01/22	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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	8/3/2022 3:13:47PM
Artesia NM, 88210	Project Manager:	Greg Crabtree	

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					8/3/2022 3:13:4/PIV
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232021-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.0		50.0		96.1	50-200			
LCS (2232021-BS1)							Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Diesel Range Organics (C10-C28)	226	25.0	250		90.3	38-132			
urrogate: n-Nonane	46.9		50.0		93.9	50-200			
Matrix Spike (2232021-MS1)				Source:	E207191-	18	Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.7	38-132			
urrogate: n-Nonane	47.7		50.0		95.4	50-200			
Matrix Spike Dup (2232021-MSD1)				Source:	E207191-	18	Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	1.34	20	
hurrogate: n-Nonane	46.9		50.0		93.8	50-200			



### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name:		chen Frey DM 034-0009	<b>1</b> #11				Reported:
Artesia NM, 88210		Project Number: Project Manager		reg Crabtree					8/3/2022 3:13:47PM
		Anions	by EPA 3	00.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232007-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	ND	20.0							
LCS (2232007-BS1)							Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2232007-MS1)				Source:	E207191-	01	Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	493	20.0	250	128	146	80-120			M2
Matrix Spike Dup (2232007-MSD1)				Source:	E207191-	01	Prepared: 0	8/01/22 A	nalyzed: 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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/03/22 15:13

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.



Client: E0	06				Bill To			Lab U	ise Only			TAT		EPA P	rogram
roject:	Achen Frey D Manager: Gre		re	_	Attention: Address: City, State, Zip Phone:			19108	Job Number 19034-0009 Analysis and Metho		1D 2D 3D 5		Standard x	CWA	RCRA
Phone:	C. 1510				Email:									State	-
Email: Al	I Enviro						J			1			NM CC	UT AZ	TX
Report d	ue by:						Dea						*		
Time Sampled	Date Sampled	Matrix	No.ef Luctures	Sample ID		Lab Number	80							Remarks	ñ
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10:18		1	1	CS-275		2	1			L	L				
10:21				CS-276		3				╄	L				
10:23				CS-247		4				L	L				
0.28				CS-228		5	1			L					
10:31				C5 - 279		6	1			L	L				
10:35				CS - 280		7	1			_					
0.40		1		CS-281		8	1			L					
0:44				CS-282		9				L			_		
10:50	T	F	T	CS - 283		10	1								
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lient: El	OG					Bill To			Lab U	se Only			TAT	Sec. 31 15		rogram
	Achen Frey D	M#11			Atte	ntion:		Lab WO	"	Job Number	10	2D 3	BD S	Standard	CWA	SDW/
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envirotech Inc.

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

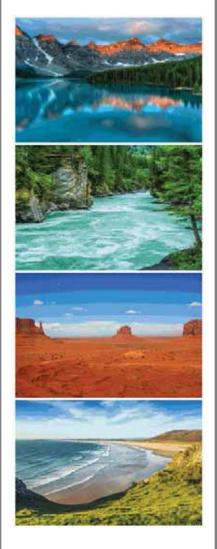
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received:	07/28/22 10:1	13	Work Order ID:	E207191
Phone: (575) 748-4217	Date Logged In:	07/28/22 11:0	00	Logged In By:	Caitlin Christian
Email:	Due Date:	08/03/22 17:0	00 (4 day TAT)		
Chain of Custody (COC)		***			
<ol> <li>Does the sample ID match the COC?</li> <li>Does the number of samples per sampling site location</li> </ol>	match the COC	Yes			
3. Were samples dropped off by client or carrier?	maten the COC	Yes Yes	Ci II	ma	
4. Was the COC complete, i.e., signatures, dates/times, red	nuested analyses?	Yes	Carrier: <u>U</u>	<u> </u>	
5. Were all samples received within holding time?	questeu unarysest	Yes			
Note: Analysis, such as pH which should be conduct i.e, 15 minute hold time, are not included in this disu			_	Commen	s/Resolution
Sample Turn Around Time (TAT)					
6. Did the COC indicate standard TAT, or Expedited TAT	?	Yes		Project has been sepera	•
Sample Cooler				due to amount of sampl	es. Workorders are
7. Was a sample cooler received?		Yes		as follows:	
8. If yes, was cooler received in good condition?		Yes		E207190 COC pg 1&2	of 7, E207191 COC
9. Was the sample(s) received intact, i.e., not broken?		Yes		pg 3&4 of 7, E207192	
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA		E207193 COC pg 7 of 7	<i>1</i> .
Note: Thermal preservation is not required, if sample minutes of sampling      If no visible ice, record the temperature. Actual sample minutes of sampling	es are received w/i 15	Yes C			
Sample Container	<u></u>	_			
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 contain	iers?	Yes			
19. Is the appropriate volume/weight or number of sample con		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	e preserved?	No			
22. Are sample(s) correctly preserved?	e preserveu:	NA			
24. Is lab filteration required and/or requested for dissolve	ed metals?	No			
•		110			
Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multi	nhasa?	No			
27. If yes, does the COC specify which phase(s) is to be a		No			
	naryzeu:	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract labor	-	No			
29. Was a subcontract laboratory specified by the client at	nd if so who?	NA Sı	ibcontract Lab	: na	
Client Instruction					

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	10934-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



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

### CS-294 E207192-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

### CS-295

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		112 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2232008
Chloride	1490	20.0	1	08/01/22	08/02/22	



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

#### **CS-296**

		E207192-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		98.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### **CS-297**

		E207192-04				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2232016
Benzene	ND	0.0250	1	08/01/22	2 08/03/22	
Ethylbenzene	ND	0.0250	1	08/01/22	2 08/03/22	
Toluene	ND	0.0250	1	08/01/22	2 08/03/22	
o-Xylene	ND	0.0250	1	08/01/22	2 08/03/22	
p,m-Xylene	ND	0.0500	1	08/01/22	2 08/03/22	
Total Xylenes	ND	0.0250	1	08/01/22	2 08/03/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	08/01/22	2 08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	2 08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	2 08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	2 08/03/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	08/01/22	2 08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	2 08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	2 08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KL		Batch: 2232020
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/22	2 08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	2 08/01/22	
Surrogate: n-Nonane		103 %	50-200	08/01/22	2 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	2 08/02/22	



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

#### **CS-298**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: Γ	Y		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	
Surrogate: Bromofluorobenzene		98.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	IL		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	
Surrogate: n-Nonane		103 %	50-200		08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2232008



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

#### CS-299

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: Γ	Y		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	
Surrogate: Bromofluorobenzene		97.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		106 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	IL		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	
Surrogate: n-Nonane		105 %	50-200		08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2232008



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

#### **CS-300**

		E207192-07				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.3 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		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	



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

#### CS-301

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232016
Benzene	ND	0.0250	1	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene	·	97.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/01/22	08/01/22	
Surrogate: n-Nonane		102 %	50-200		08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232008
	•	20.0			08/01/22	08/03/22	



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

#### **CS-302**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		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	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: k	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	
Surrogate: n-Nonane		104 %	50-200		08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: F	RAS		Batch: 2232008
Amons by ETA 500.0/7050A							



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

### CS-303

		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		106 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2232008
· · · · · · · · · · · · · · · · · · ·	46.8	20.0		1	08/01/22	08/03/22	

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

#### CS-304

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	IY		Batch: 2232016
Benzene	ND	0.0250	1		08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	l	08/01/22	08/03/22	
Toluene	ND	0.0250	1	Į.	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	Į.	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	Į.	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: l	IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	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	Į.	08/01/22	08/02/22	
Surrogate: n-Nonane		97.4 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2232008
7 THIOHS BY 12171 500:0/7030/1							



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

### CS-305

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		95.2 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2232008
Allions by ETA 500.0/7030A						

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

#### **CS-306**

		E207192-13				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.0 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		101 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2232008
Chloride	803	20.0	1	08/01/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/4/2022 8:37:05AM

#### **CS-307**

		E207192-14				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: RAS		Batch: 2232008
Chloride	187	20.0	1	08/01/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/4/2022 8:37:05AM

#### **CS-308**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		103 %	50-200		08/01/22	08/02/22	
A	mg/kg	mg/kg	A	Analyst: RA	.S		Batch: 2232008
Anions by EPA 300.0/9056A	88	0 0					



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/4/2022 8:37:05AM

#### CS-309

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: IY		?		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Surrogate: n-Nonane		102 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R.	AS		Batch: 2232008



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/4/2022 8:37:05AM

#### CS-310

#### E207192-17

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	L		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	
Surrogate: n-Nonane		102 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ı	Analyst: R	AS		Batch: 2232008
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							



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104 South 4th Street	Project Number:	10934-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/4/2022 8:37:05AM

#### **CS-311**

		E207192-18					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2232016
Benzene	ND	0.0250	1	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/03/22	
Toluene	ND	0.0250	1	1	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/02/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/01/22	08/02/22	
Surrogate: n-Nonane		104 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	S		Batch: 2232008

20.0

08/01/22

08/03/22

145



Chloride

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

#### CS-312 E207192-19

	E20/192-19					
	Reporting					
Result	Limit	Dil	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	: IY		Batch: 2232016
ND	0.0250		1	08/01/22	08/03/22	
ND	0.0250		1	08/01/22	08/03/22	
ND	0.0250		1	08/01/22	08/03/22	
ND	0.0250		1	08/01/22	08/03/22	
ND	0.0500		1	08/01/22	08/03/22	
ND	0.0250		1	08/01/22	08/03/22	
	100 %	70-130		08/01/22	08/03/22	
	101 %	70-130		08/01/22	08/03/22	
	106 %	70-130		08/01/22	08/03/22	
mg/kg	mg/kg		Analyst	: IY		Batch: 2232016
ND	20.0		1	08/01/22	08/03/22	
	100 %	70-130		08/01/22	08/03/22	
	101 %	70-130		08/01/22	08/03/22	
	106 %	70-130		08/01/22	08/03/22	
mg/kg	mg/kg		Analyst	: KL		Batch: 2232020
39.0	25.0		1	08/01/22	08/02/22	
ND	50.0		1	08/01/22	08/02/22	
	93.7 %	50-200		08/01/22	08/02/22	
mg/kg	mg/kg		Analyst	: RAS		Batch: 2232008
89.7	20.0		1	08/01/22	08/03/22	
	ND Mg/kg ND  mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           I00 %         101 %           106 %         106 %           mg/kg         mg/kg           ND         20.0           100 %         106 %           mg/kg         mg/kg           Mg/kg         39.0           50.0         93.7 %           mg/kg         mg/kg	Reporting           Limit         Diff           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           100 %         70-130           101 %         70-130           106 %         70-130           101 %         70-130           106 %         70-130           106 %         70-130           106 %         70-130           107 %         70-130           108 %         70-130           109 %         70-130           100 %         70-130           106 %         70-130           107 %         70-130           108 %         70-130           109 %         70-130           100 %         70-130           100 %         70-130           100 %         70-130           100 %         70-130           100 %         70-130           100 %         70-130           100 %         70-130           100 %<	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           100%         70-130           101%         70-130           106%         70-130           100%         70-130           101%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130           106%         70-130	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         70-130         08/01/22           100 %         70-130         08/01/22           106 %         70-130         08/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22           100 %         70-130         08/01/22           101 %         70-130         08/01/22           106 %         70-130         08/01/22           mg/kg         mg/kg         Analyst: KL           39.0         25.0         1         08/01/22           ND         50.0         1         08/01/22           mg/kg         Mg/bg         An	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         Malyst: IY           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0500         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           100 %         70-130         08/01/22         08/03/22           101 %         70-130         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: KL           Mg/kg         mg/kg         Analyst: KL           39.0         25.0         1         08/01/22         08/02/22           ND         50.0         1         08/01/22 </td



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

#### CS-313 E207192-20

		1201172-20				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilui	non Prepared	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.9 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		105 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2232008
Chloride	310	20.0	1	08/01/22	08/03/22	



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:10934-0009Artesia NM, 88210Project Manager:Greg Crabtree8/4/20228:37:05AM

Artesia NM, 88210		Project Manage	r: Gr	reg Crabtree				8/	4/2022 8:37:05AM
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232016-BLK1)							Prepared: 08	8/01/22 Ana	lyzed: 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	8/01/22 Ana	lyzed: 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	8/01/22 Ana	lyzed: 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	
Гoluene	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			

0.500

70-130



Surrogate: Toluene-d8

0.522

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:10934-0009Artesia NM, 88210Project Manager:Greg Crabtree8/4/20228:37:05AM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: IY

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2232016-BLK1)						Prepared: 08	3/01/22 Analyzed: 0	8/03/22
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	3/01/22 Analyzed: 0	8/03/22
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	3/01/22 Analyzed: 0	8/03/22
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			



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

Artesia NWI, 88210		Project Manage	r. Gr	eg Crabiree				0/	4/2022 6.57.05AW
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232020-BLK1)							Prepared: 0	8/01/22 Ana	lyzed: 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: 0	8/01/22 Ana	lyzed: 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: 0	8/01/22 Ana	lyzed: 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: 0	8/01/22 Ana	lyzed: 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			

EOG Resources		Project Name:		chen Frey DM	I #11				Reported:
104 South 4th Street Artesia NM, 88210		Project Number: Project Manager		0934-0009 Greg Crabtree					8/4/2022 8:37:05AM
		Anions	by EPA	300.0/9056	<b>A</b>				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232008-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 08/02/22
Chloride	ND	20.0							
LCS (2232008-BS1)							Prepared: 0	8/01/22 A	nalyzed: 08/02/22
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2232008-MS1)				Source:	E207192-	01	Prepared: 0	8/01/22 A	nalyzed: 08/02/22
Chloride	2220	20.0	250	2610	NR	80-120			M4
Matrix Spike Dup (2232008-MSD1)				Source:	E207192-	01	Prepared: 0	8/01/22 A	nalyzed: 08/02/22
Chloride	3240	20.0	250	2610	253	80-120	37.3	20	M4, 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**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	
١	104 South 4th Street	Project Number:	10934-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/04/22 08:37

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.



lient: E0	VS.					Bill To			Lab U	se Only				TAT		EPA P	rogram
AND DESCRIPTION OF THE PERSON	ichen Frey D	M #11			Attention:	Dill 10		Lab		Job Nu		ID  2	0 3		tandard	CWA	SDWA
	lanager: Gre		99		Address:			Eó	207192	190	34-0009				. х		
ddress:					City, State, Zig	p				Analysi	s and Metho	od .	-	-			RCRA
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mail: Al	Enviro							y				1 1			NM CO	UT AZ	TX
eport d	ue by:							00							×		
Time Sampled	Date Sampled	Matrix	No. of Darkstoners	Sample ID			Lab Number	30								Remarks	
1.48	7.22-22	5	1	CS-294			1	X									
1:57	1	4	1	CS-295			2	1									
11:56				CS-296			3										
2:01				CS-297			4										
2:06				C5-29F			5										
2:10				cs- 299			6										
12:15				CS-300			7										
2:18				CS-301			8										
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_	risc 5 - Soil, \$d - 5	A	oline A . Am.	and D. Other			Containe	r Type	rg - glass, p - p				V+VC	DA:			

Page 31 of 33

Page 6 of 7

Client: EC	)G						Bill To					Jse Only			100	TA				Program
	chen Frey D					Attention:			- 1	Lab 1	807192	Job N	umber 034-0009	1	20	3D	Stand		CWA	SDWA
Project N Address:	lanager: Gre	g Crabtre	e			Address: City, State, 2	lin.			FO	MAN	Analysi	s and Mes	hod	-		1			BCRA
City, Stat	e, Zip					Phone:	191					TT	TT	T	T	П				Х
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Report d	ue by:		,	_					18/87/11	8						1 1	-			
Time Sampled	Date Sampled	Mutrix	No. of Containers	Sample ID					Lab Number	<b>BP6</b>						Ш			Remark	rs-
12:35	7-27-22	5	1	C5-3	04				11	X										
12:39	1	1	1	C5-30	05				12	1										
12:44				CS-3	06				13											
12:49				CS-3	FO				14											
12.53				CS- 3	08				15											
12:58				CS- 7	05				16											
13:06				C5-3	10				17											
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Chain of Custody

Page 32 of 33

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

#### **Envirotech Analytical Laboratory**

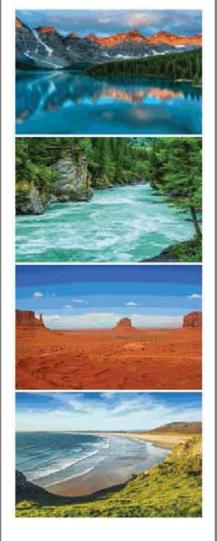
Sample Receipt Checklist (SRC)

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:		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	Carrier: <u>U</u>	JPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	_	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes		Comments/Resolution
Sample Turn Around Time (TAT)			
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes		Project has been seperated into 4 reports
Sample Cooler			due to amount of samples. Workorders are
7. Was a sample cooler received?	Yes		as follows:
8. If yes, was cooler received in good condition?	Yes		
9. Was the sample(s) received intact, i.e., not broken?	Yes		E207190 COC pg 1&2 of 7, E207191 COC
10. Were custody/security seals present?			pg 3&4 of 7, E207192 COC pg 5&6 of 7,
	No		E207193 COC pg 7 of 7.
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  Note: Thermal preservation is not required, if samples are received w/i 15  minutes of sampling	Yes		
13. If no visible ice, record the temperature. Actual sample temperature: 4	<u> </u>		
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	100		
21. Does the COC or field labels indicate the samples were preserved?	No		
22. Are sample(s) correctly preserved?	NA		
24. Is lab filteration 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		
	1471		
Subcontract Laboratory	NI.		
20. A1	No	G 1	
28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab	r, na

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/03/22 16:23

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.

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

### CS-314 E207193-01

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



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

#### CS-315

		E207193-02					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2231074
Benzene	ND	0.0250	1	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	1	07/28/22	07/30/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	1	07/28/22	07/30/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		104 %	70-130		07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K!	M		Batch: 2232013
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	I	08/01/22	08/02/22	
Surrogate: n-Nonane		105 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2232009
		•					

20.0

08/01/22

08/02/22

304



Chloride

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

### **CS-316**

		E207193-03					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

### **CS-317**

		E207193-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### **CS-318**

#### E207193-05

		Reporting					
Analyte	Result	Limit	Dilut	ion Prepa	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2231074
Benzene	ND	0.0250	1	07/28	3/22	07/30/22	
Ethylbenzene	ND	0.0250	1	07/28	3/22	07/30/22	
Toluene	ND	0.0250	1	07/28	3/22	07/30/22	
o-Xylene	ND	0.0250	1	07/28	3/22	07/30/22	
p,m-Xylene	ND	0.0500	1	07/28	3/22	07/30/22	
Total Xylenes	ND	0.0250	1	07/28	3/22	07/30/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	07/28	3/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/28	3/22	07/30/22	
Surrogate: Toluene-d8		105 %	70-130	07/28	8/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28	3/22	07/30/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	07/28	3/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/28	3/22	07/30/22	
Surrogate: Toluene-d8		105 %	70-130	07/28	8/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		105 %	50-200	08/01	1/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2232009
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EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 4:23:04PM

#### CS-319

#### E207193-06

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		100 %	70-130	07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/28/22	07/30/22	
Surrogate: Toluene-d8		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/22	07/30/22	
Surrogate: Bromofluorobenzene		100 %	70-130	07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/28/22	07/30/22	
Surrogate: Toluene-d8		104 %	70-130	07/28/22	07/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		102 %	50-200	08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2232009
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EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/3/2022 4:23:04PM

#### **CS-320**

		E207193-07					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



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

#### CS-321 E207193-08

Dogult	Reporting		ion Duomons I	A malvina J	Notes
Result	Limit	Diluti	ion Prepared	Anaiyzed	Notes
mg/kg	mg/kg	A	Analyst: IY		Batch: 2231074
ND	0.0250	1	07/28/22	07/30/22	
ND	0.0250	1	07/28/22	07/30/22	
ND	0.0250	1	07/28/22	07/30/22	
ND	0.0250	1	07/28/22	07/30/22	
ND	0.0500	1	07/28/22	07/30/22	
ND	0.0250	1	07/28/22	07/30/22	
	98.1 %	70-130	07/28/22	07/30/22	
	100 %	70-130	07/28/22	07/30/22	
	104 %	70-130	07/28/22	07/30/22	
mg/kg	mg/kg	Α	Analyst: IY		Batch: 2231074
ND	20.0	1	07/28/22	07/30/22	
	98.1 %	70-130	07/28/22	07/30/22	
	100 %	70-130	07/28/22	07/30/22	
	104 %	70-130	07/28/22	07/30/22	
mg/kg	mg/kg	Α	Analyst: KM		Batch: 2232013
ND	25.0	1	08/01/22	08/02/22	_
ND	50.0	1	08/01/22	08/02/22	
	105 %	50-200	08/01/22	08/02/22	
mg/kg	mg/kg	A	Analyst: RAS		Batch: 2232009
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           98.1 %         100 %           104 %         mg/kg           ND         20.0           98.1 %         100 %           104 %         104 %           mg/kg         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130         100%           100%         70-130         104%           ND         20.0         1           98.1%         70-130         100%           100%         70-130         104%           104%         70-130         104%           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         07/28/22           ND         0.0250         1         07/28/22           ND         0.0250         1         07/28/22           ND         0.0250         1         07/28/22           ND         0.0500         1         07/28/22           ND         0.0250         1         07/28/22           ND         70-130         07/28/22           100 %         70-130         07/28/22           104 %         70-130         07/28/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         07/28/22           100 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130         07/28/22           104 %         70-130 <t< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         07/28/22         07/30/22           ND         0.0250         1         07/28/22         07/30/22</td></t<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         07/28/22         07/30/22           ND         0.0250         1         07/28/22         07/30/22



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

#### **CS-322**

#### E207193-09

_		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2231074
Benzene	ND	0.0250	1	1	07/28/22	07/30/22	
Ethylbenzene	ND	0.0250	1	1	07/28/22	07/30/22	
Toluene	ND	0.0250	1	1	07/28/22	07/30/22	
o-Xylene	ND	0.0250	1	1	07/28/22	07/30/22	
p,m-Xylene	ND	0.0500	1	1	07/28/22	07/30/22	
Total Xylenes	ND	0.0250	1	1	07/28/22	07/30/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	1	07/28/22	07/30/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/01/22	08/02/22	
Surrogate: n-Nonane		96.5 %	50-200		08/01/22	08/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232009
Allions by ETA 500.0/3030A	8 8						



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

### **CS-323**

		E207193-10					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/30/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/28/22	07/30/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/3/2022 4:23:04PM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree					8/3/2022 4:23:04PM
	V	olatile Organ	ic Compo	unds by EF	PA 8260	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231074-BLK1)							Prepared: 0	7/28/22 A	nalyzed: 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: 0	7/28/22 A	nalyzed: 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: 0	7/28/22 A	nalyzed: 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			

0.500

105

70-130



Surrogate: Toluene-d8

0.527

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

Nonhalogenated Organics by EPA 8015D - GRO
--

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231074-BLK1)							Prepared: 0	7/28/22 Analy	yzed: 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: 0	7/28/22 Analy	yzed: 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			

LCSI	Dun (2	231074	-BSD2)

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

LCS Dup (2231074-BSD2)					P	repared: 07	/28/22 Analy	yzed: 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			

0.500

0.500

0.508

0.528

102

106

70-130

70-130

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

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					8/3/2022 4:23:04PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232013-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 08/02/22
riesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
.CS (2232013-BS1)							Prepared: 0	8/01/22 A	nalyzed: 08/02/22
riesel Range Organics (C10-C28)	259	25.0	250		103	38-132			
urrogate: n-Nonane	49.7		50.0		99.4	50-200			
Matrix Spike (2232013-MS1)				Source:	E207193-0	09	Prepared: 0	8/01/22 A	nalyzed: 08/02/22
tiesel Range Organics (C10-C28)	308	25.0	250	43.7	106	38-132			
urrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2232013-MSD1)				Source:	E207193-0	09	Prepared: 0	8/01/22 A	nalyzed: 08/02/22
tiesel Range Organics (C10-C28)	310	25.0	250	43.7	107	38-132	0.649	20	
urrogate: n-Nonane	46.9		50.0		93.8	50-200			

EOG Resources 104 South 4th Street		Project Name: Project Number:		chen Frey DM	I #11				Reported:
Artesia NM, 88210		Project Manager:		reg Crabtree					8/3/2022 4:23:04PM
		Anions 1	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232009-BLK1)							Prepared: 0	8/01/22 A	analyzed: 08/02/22
Chloride	ND	20.0							
LCS (2232009-BS1)							Prepared: 0	8/01/22 A	analyzed: 08/02/22
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2232009-MS1)				Source:	E207193-0	)1	Prepared: 0	8/01/22 A	analyzed: 08/02/22
Chloride	300	20.0	250	56.7	97.3	80-120			
Matrix Spike Dup (2232009-MSD1)				Source:	E207193-0	)1	Prepared: 0	8/01/22 A	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/03/22 16:23

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

	7		7
Page .	T	of	1

Client: E0	26	VI. (1)			Bill To		Т		Lab U	se Onl	У	T		TA	AT	EPA P	rogram
Project: Achen Frey DM #11 Attention:				75.3300.8444411			Lab WO# Job Number 19034-0009			D 2D	3D		CWA	SDWA			
	Manager: Gre		e		Address:		E	207	CM		034-0009				×		
Address:					City, State, Zip					Analys	is and Me	thod		_			RCRA
City, Stat	e, Zip				Phone:		1			1							Х
Phone:					Email:		1			1 1						State	
Email: Al	l Enviro							3							им со	UT AZ	TX
Report d	ue by:						1	શ			1 1				×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	10									Remarks	2
13:46	7-27-22	S	1	C5-314		1	X						$\perp$				
13:52	1	1	1	CS-315		2	1										
13:58				cs-316		3											
14:02				cs-317		4											
14:08				CS-318		5											
14:13				CS-319		6	I										
14:20				CS-320	X.	7	1										
14:24				CS-321		8	П										
14:30				CS- 322		9	T								1		
14:37		1	1	cs-32		10	1	-					$\top$				
	nal Instructio	ns:					_						-				
I, (field sam	pler), attest to the	validity and	f authenticity	of this sample. I am	aware that tampering with or Intentionally mislabelli	ng the sample lo	ocatio	n,							cerved on ice the day 6°C on subsequent d		ed or received
				be grounds for legal			_	Two		-			1 - 1 - 1		6.		
Relinguish	ned by: (Signatur	re)	7.	27.21 /5.	Received by: (Signature)	7-27	2	Z Z	505	Recei	ved on ic	e:	8/1	Jse On V	ıy		
Relinquish	ned by: (Signatur	21	Date	Time	45 Resident Onto	7/28	ba	L Time	:13	T1		_ I	2		<u></u>		
Refinance	hed by: (Signatu	e)	Date		Received by: (Signature)	Date		Time		AVG	Temp °C	4	U 1344				
Sample Ma	trix: S - Soil, Sd - S	olid. Sø - Slu	dge. A - Anu	eous, O - Other		Containe	r Ty	pe: g - g	lass, p - p		stic, ag - a		glass, v	- VOA			
Note: San	noles are discare	led 30 days	after resul	ts are reported unle	ess other arrangements are made. Hazardous s										ort for the analy	sis of the at	ove
samples is	s applicable only	to those s	amples rece	eived by the laborat	ory with this COC. The liability of the laboratory	is limited to t	he a	mount p	aid for on	the repo	ort.	extensive et a	worksa 200			THE STATE OF THE STATE OF	50919

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

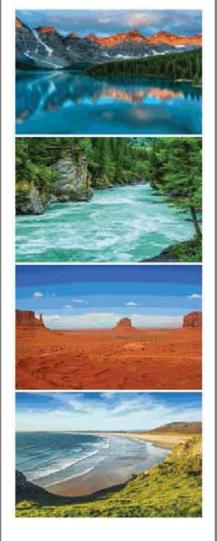
Instructions: Please take note of any NO checkmarks.

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	0:13	Work Order ID: E207193
Phone: (575) 748-4217	Date Logged In:	07/28/22 11	:09	Logged In By: Caitlin Christian
Email:	Due Date:		7:00 (4 day TAT)	
Chain of Custody (COC)				
. Does the sample ID match the COC?		Yes		
2. Does the number of samples per sampling site location m	natch the COC	Yes		
3. Were samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS
I. Was the COC complete, i.e., signatures, dates/times, requ	ested analyses?	Yes		
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucs	•	Yes		Comments/Resolution
Sample Turn Around Time (TAT)				
5. Did the COC indicate standard TAT, or Expedited TAT?		Yes		Project has been seperated into 4 reports
Sample Cooler				due to amount of samples. Workorders are
7. Was a sample cooler received?		Yes		as follows:
3. If yes, was cooler received in good condition?		Yes		E207190 COC pg 1&2 of 7, E207191 COC
O. Was the sample(s) received intact, i.e., not broken?		Yes		* <del>*</del>
0. Were custody/security seals present?		No		pg 3&4 of 7, E207192 COC pg 5&6 of 7,
1. If yes, were custody/security seals intact?		NA		E207193 COC pg 7 of 7.
2. Was the sample received on ice? If yes, the recorded temp is 4° Note: Thermal preservation is not required, if samples minutes of sampling 3. If no visible ice, record the temperature. Actual samp	are received w/i 15	Yes		
Sample Container	re temperature. <u>1</u>	<u> </u>		
4. Are aqueous VOC samples present?		No		
5. Are VOC samples collected in VOA Vials?		NA		
6. Is the head space less than 6-8 mm (pea sized or less)?		NA		
7. Was a trip blank (TB) included for VOC analyses?		NA		
8. Are non-VOC samples collected in the correct container	rs?	Yes		
9. Is the appropriate volume/weight or number of sample contains		Yes		
Field Label				
20. Were field sample labels filled out with the minimum in	formation:			
Sample ID?		Yes		
Date/Time Collected?		Yes	L	
Collectors name?		Yes		
Sample Preservation	10	N		
21. Does the COC or field labels indicate the samples were	preserved?	No		
<ul><li>22. Are sample(s) correctly preserved?</li><li>24. Is lab filteration required and/or requested for dissolved</li></ul>	matala?	NA N-		
	iniciais?	No		
.7. If yes, does the COC specify which phase(s) is to be ana	alyzed?	NA		
Subcontract Laboratory				
<ol> <li>Are samples required to get sent to a subcontract labora</li> <li>Was a subcontract laboratory specified by the client and</li> </ol>	-	No NA 5	Subcontract Lab	o: na
Client Instruction				
Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiple 27. If yes, does the COC specify which phase(s) is to be and Subcontract Laboratory 28. Are samples required to get sent to a subcontract laborately. Was a subcontract laboratory specified by the client and	hase? alyzed? tory?		Subcontract Lab	o: na

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	P. 41
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



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104 South 4th Street	Project Number:	19034-0009	Reported:
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#### CS-324 E207203-01

		E20/203-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Frepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		129 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232035
Chloride	2530	40.0	2	08/02/22	08/03/22	



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104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### **CS-325**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		108 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	691	40.0	2	08/02/22	08/03/22	•



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### **CS-326**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		122 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232035
Chloride	5730	200	10	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### **CS-327**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	1510	100	5	08/02/22	08/03/22	_



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#### **CS-328**

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2232025
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0500	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
	97.3 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2232025
ND	20.0	1	08/01/22	08/03/22	
	93.5 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2232059
ND	25.0	1	08/03/22	08/04/22	
ND	50.0	1	08/03/22	08/04/22	
	120 %	50-200	08/03/22	08/04/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2232035
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           97.3 %         mg/kg           MD         20.0           93.5 %         mg/kg           MD         25.0           ND         50.0           120 %	mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.3 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           93.5 %         70-130         70-130           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           120 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22           ND         50.0         1         08/03/22           120 %         50-200         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22         08/03/22           ND         0.0500         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22         08/04/22           ND         50.0         1         08/03/22         08/04/22           ND         50.0         1         08/03/22         08/04/22



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#### **CS-329**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	1190	40.0	2	08/02/22	08/03/22	



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#### **CS-330**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		131 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232035
Chloride	4860	400	20	08/02/22	08/03/22	



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#### CS-331

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232035
Chloride	563	40.0	2	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### **CS-332**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	932	100	5	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### CS-333

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232035
Chloride	246	40.0	2	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

#### **CS-334**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: n-Nonane		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232035
Chloride	2380	200	10	08/02/22	08/03/22	
Chloride	2380		10	08/02/22	08/03/22	



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

#### **CS-335**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		121 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	294	100	5	08/02/22	08/03/22	



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

#### **CS-336**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		111 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232035
Chloride	6570	400	20	08/02/22	08/03/22	•



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

#### **CS-337**

		D				
Analys	D14	Reporting	Dilation	. D	A l	N-4
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		107 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232035
Chloride	641	40.0	2	08/02/22	08/03/22	



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

#### **CS-338**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		126 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232035
Chloride	1390	40.0	2	08/02/22	08/03/22	



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

#### **CS-339**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232035
Chloride	1830	200	10	08/02/22	08/03/22	



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

#### CS-340

		Reporting				
Analyte	Result	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		120 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2232035



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

#### CS-341

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		104 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232035
Chloride	1890	40.0	2	08/02/22	08/03/22	



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

#### **CS-342**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		111 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2232035
Chloride	2080	40.0	2	08/02/22	08/03/22	



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

#### **CS-343**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232025
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232035
Chloride	615	40.0	2	08/02/22	08/03/22	



Surrogate: 4-Bromochlorobenzene-PID

8.00

## **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 8/8/2022 5:08:53PM

Artesia NM, 88210		Project Manager:		reg Crabtree					8/8/2022 5:08:53PM		
Volatile Organics by EPA 8021B Analyst: IY											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2232025-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 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: 0	8/01/22 A	nalyzed: 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: 0	8/01/22 A	nalyzed: 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			

70-130



Analyst: IY

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/20225:08:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2232025-BLK1)						Prepared: 08	3/01/22 An	alyzed: 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	3/01/22 An	alyzed: 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	3/01/22 An	alyzed: 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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 5:08:53PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				8/8	3/2022 5:08:53PM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232059-BLK1)							Prepared: 0	8/03/22 Anal	yzed: 08/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.5		50.0		113	50-200			
LCS (2232059-BS1)							Prepared: 0	8/03/22 Anal	yzed: 08/04/22
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	50.5		50.0		101	50-200			
Matrix Spike (2232059-MS1)				Source:	E207203-	04	Prepared: 0	8/03/22 Anal	yzed: 08/04/22
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
urrogate: n-Nonane	51.8		50.0		104	50-200			
Matrix Spike Dup (2232059-MSD1)				Source:	E207203-	04	Prepared: 0	8/03/22 Anal	yzed: 08/04/22
Diesel Range Organics (C10-C28)	344	25.0	250	ND	138	38-132	28.0	20	M2, R3
Jurrogate: n-Nonane	54.5		50.0		109	50-200			



## **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		chen Frey DM 9034-0009	<b>I</b> #11				Reported:
Artesia NM, 88210		Project Manager		reg Crabtree					8/8/2022 5:08:53PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	1				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 (2232035-BLK1)							Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	ND	20.0							
LCS (2232035-BS1)							Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2232035-MS1)				Source:	E207203-	)1	Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	3290	40.0	250	2530	307	80-120			M3
Matrix Spike Dup (2232035-MSD1)				Source:	E207203-	01	Prepared: 0	8/02/22 A	nalyzed: 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**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	
l	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 17:08

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.



lient: E0	ng .		_			Bill To				Lab U	se Only		1	7-23	TAT		EPA P	rogram
roject:	Achen Frey D				- Contraction	ention:		Lab	WO#		Job Numi		1D	2D	3D	Standard	CWA	SDWA
	tanager: Gree	Crabtre Crabtre	e		0.00	dress:		Ea	20762	05	19034 Analysis or	_	_			×		RCRA
ity, Stat					1000	y, State, Zip one:		-			Analysis of	ia wetno	T		-			Nunn X
hone:	Sta. 6/107					ail:											State	
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Report d			Sec. of				Lab	20								- W	2 2	
Sampled	Date Samplest	Matrix	Esrisinan	Sample ID			Number			3							Remarks	
5.05	7-22-22	S	1	CS-	324		1	X					L					
15:10	1	1	1	cs"	325		2	1					L					
10.14				CS-	326		3											
15:15				cs-	327		4											
15.23				cs -	328		5											
15.24				CS-	329		6	П										
15:32				cs-	330		7	П										
15:36				CS-	331		8	П										
5.42				CS -	332		9	П					Г					
15:49	1	1	1		333		10	1	П				Г					
Addition	al Instruction	153	-															
, (Netd same	pler), attest to the	validity and	authenticity	of this sample	e. I am aware the	t tampering with or intentionally molab	elling the sample k	cation	7							ed on us the day on solvename it		self protection
	e of collection is co	-			er legal action:	Sampled by: Kholeton So		,	Ition				- 2	sh tlea	Only			
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Carrieda Sécu	pric 5 - Soil, 5d - So	nut Se - Shu	tree A - Arror	ous O - Othe			Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											

Page 31 of 33

Client: E	)G					Bill To			Lab U	lse Only		TA	T	EPA P	rogram
Project:	Achen Frey D				100	ttention:		Lab	07203	Job Number	10 20	3D	Standard	CWA	SDWA
Project N Address:	tanager; Gre	g Crabtre	ę.		1 1 2	ddress: ity, State, Zip		Ea	01000	19034-0009 Analysis and Metho	ed .	1			RCRA
City, Stat	e, Zip				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hone:		П			TT	1			×
Phone:					E	mail:		1		1 1 1 1				State	
Email: Al	Enviro							U					NM CO	UT AZ	TX
Report d	ue by:							00					*		
Time Sompled	Date Sampled	Matrix	No of Esitatem	Sample IS	)		Lab Number	30						Remarks	k .
15.52	1-14-22	S	2	cs-	334		11	X							
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16:15		7		CS-	339		16								
16:20				CS-	340		17								
16:26				CS-	341		18								
16:31		П		cs.	342		19								
16:40	1	7	L	CS-	3 43		20	1				П			
Addition	al Instructio	ns:											-		
r, (Reld sam	der), attest to the	residity and	aurhenticio	of this sampl	e. I am aware t	hat tampering with or intentionally mislar	belling the sample lo	cation.		Samples, regulating thermal plackfull in loads draining team					had or returned
	of collection is a	prividered fra	ud and may		ir legal action.	Sampled by Kholeton S			There		Taki	Use Onl	w -		
1	ostov: (Signatur	<u> </u>	C1000	29-22	Control of the second of the second	Received by: (Signature)	7/29/	22	14:30	Received on ice:	0	N .	у		
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envirotech Inc.

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

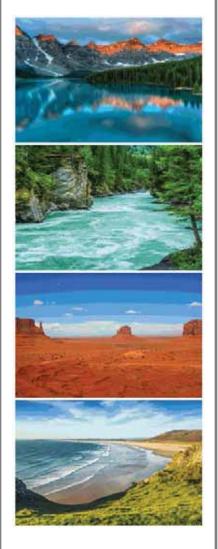
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received:	07/29/22 1	4:30	Work Order ID:	E207203
Phone: (575) 748-4217	Date Logged In:	07/29/22 1	4:55	Logged In By:	Caitlin Christian
Email:	Due Date:	08/05/22 1	7:00 (5 day TAT)		
Chain of Custody (COC)		**			
<ol> <li>Does the sample ID match the COC?</li> <li>Does the number of samples per sampling site location</li> </ol>	n match the COC	Yes			
3. Were samples dropped off by client or carrier?	in materi the COC	Yes Yes	Ci V	71-1-4 C1	
<ul><li>4. Was the COC complete, i.e., signatures, dates/times, r</li></ul>	equested analyses?	Yes	Camer: K	<u>Choleton Sanchez</u>	
5. Were all samples received within holding time?	equested analyses.	Yes			
Note: Analysis, such as pH which should be conductive, 15 minute hold time, are not included in this dis			_	Commen	ts/Resolution
Sample Turn Around Time (TAT)				D	
6. Did the COC indicate standard TAT, or Expedited TA	Γ?	Yes		Project was seperated i	•
Sample Cooler				amount of samples. Wo	
7. Was a sample cooler received?		Yes		follows: E207203 COC	C pg 1&2 of 4,
8. If yes, was cooler received in good condition?		Yes		E207204 COC pg 3&4	of 4.
9. Was the sample(s) received intact, i.e., not broken?		Yes		10	
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
Note: Thermal preservation is not required, if samp minutes of sampling      If no visible ice, record the temperature. Actual sa	les are received w/i 15	Yes			
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 conta	iners?	Yes			
19. Is the appropriate volume/weight or number of sample c	ontainers collected?	Yes			
Field Label					
20. Were field sample labels filled out with the minimum	n information:				
Sample ID?		Yes			
Date/Time Collected?		Yes	•		
Collectors name?		Yes			
<ul><li>Sample Preservation</li><li>21. Does the COC or field labels indicate the samples we</li></ul>	ere preserved?	No			
22. Are sample(s) correctly preserved?	ere preserved:	NA			
24. Is lab filteration required and/or requested for dissolven.	ved metals?	No			
• •		110			
Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., mul	tinhaca?	No			
27. If yes, does the COC specify which phase(s) is to be		No			
	anaryzea:	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract lab	•	No			
29. Was a subcontract laboratory specified by the client	and if so who?	NA	Subcontract Lab	: na	
Client Instruction					

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@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	Project Name:	Achen Frey DM #11	Donoutodi
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



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

## CS-344

E2072	04-01
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		Reporting				
Analyte	Result	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		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	



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

#### CS-345

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		110 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
Chloride	1130	40.0	2	08/02/22	08/03/22	



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

#### **CS-346**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232037
Chloride	354	20.0	1	08/02/22	08/03/22	_
Chloride	354	20.0	1	08/02/22	08/03/22	



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

#### **CS-347**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		112 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232037
Chloride	821	20.0	1	08/02/22	08/03/22	



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

#### **CS-348**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		116 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
Chloride	16700	400	20	08/02/22	08/03/22	



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

#### CS-349

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
Chloride	1100	40.0	2	08/02/22	08/03/22	_



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

#### CS-350

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		119 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232037
Chloride	2030	40.0	2	08/02/22	08/03/22	_



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### CS-351

	- ·				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0500	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
	116 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
ND	20.0	1	08/01/22	08/03/22	
	112 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2232058
ND	25.0	1	08/03/22	08/04/22	
ND	50.0	1	08/03/22	08/04/22	
	117 %	50-200	08/03/22	08/04/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
	8 8				
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         20.0250           II6 %         mg/kg           Mg/kg         mg/kg           ND         20.0           II2 %         mg/kg           ND         25.0           ND         50.0           II7 %	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           112 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           117 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22           ND         50.0         1         08/03/22           117 %         50-200         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0500         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22         08/03/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22         08/04/22           ND         50.0         1         08/03/22         08/04/22           ND         50.0         1         08/03/22         08/04/22



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#### CS-352

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
Chloride	2250	20.0	1	08/02/22	08/03/22	_



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

#### **CS-353**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: RAS		Batch: 2232037
Chloride	133	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### CS-354

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		118 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232037
Chloride	99.8	20.0	1	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### **CS-355**

		Reporting	5.1			27.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
	196	20.0		08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### **CS-356**

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0500	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
	119 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232027
ND	20.0	1	08/01/22	08/03/22	
	115 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2232058
31.6	25.0	1	08/03/22	08/04/22	
ND	50.0	1	08/03/22	08/04/22	
	116 %	50-200	08/03/22	08/04/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232037
-	ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg 31.6	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           I19 %         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           31.6         25.0           ND         50.0	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MB/kg         mg/kg         Anal           MB/kg         Anal         Anal           MB/kg         Anal         Anal           MB/kg         Anal         Anal           MB/kg         Anal         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           31.6         25.0         1         08/03/22           ND         50.0         1         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22         08/04/22



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104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### **CS-357**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		113 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232037
Chloride	541	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:19:46PM

#### **CS-358**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		131 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232037
Chloride	552	20.0	1	08/02/22	08/03/22	



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

#### CS-359

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232027
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
ND	0.0500	1	08/01/22	08/03/22	
ND	0.0250	1	08/01/22	08/03/22	
	118 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232027
ND	20.0	1	08/01/22	08/03/22	
	106 %	70-130	08/01/22	08/03/22	
mg/kg	mg/kg	Ana	llyst: JL		Batch: 2232058
32.4	25.0	1	08/03/22	08/05/22	
ND	50.0	1	08/03/22	08/05/22	
	115 %	50-200	08/03/22	08/05/22	
mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2232037
	ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           Il8 %         mg/kg           MD         20.0           Il6 %         mg/kg           mg/kg         mg/kg           32.4         25.0           ND         50.0	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           I18%         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           I06%         70-130         1           mg/kg         mg/kg         Ana           32.4         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0250         1         08/01/22           ND         0.0500         1         08/01/22           ND         0.0250         1         08/01/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/01/22           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           32.4         25.0         1         08/03/22           ND         50.0         1         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/01/22         08/03/22           ND         0.0250         1         08/01/22         08/03/22         08/05/22



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

#### CS-360

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		127 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232037
Chloride	2150	40.0	2	08/02/22	08/03/22	



## **QC Summary Data**

		QC 50	41111114	ny Data	и				
EOG Resources 104 South 4th Street	Project Name: Project Number:		chen Frey DM 0034-0009	I #11				Reported:	
Artesia NM, 88210		Project Manager:	Gı	reg Crabtree				8/8	8/2022 2:19:46PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232027-BLK1)							Prepared: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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	
p,m-Aylene	13.5	0.0300	15.0	ND	90.1	63-131	2.83	20	

8.00

8.87

70-130



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/20222:19:46PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				8/8	8/2022 2:19:46PM			
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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			
Blank (2232027-BLK1)							Prepared: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 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: 0	8/01/22 Anal	yzed: 08/03/22			
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	98.9	70-130	3.56	20				

8.00

8.85

111

70-130

# **QC Summary Data**

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

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				8	/8/2022 2:19:46PM	
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2232058-BLK1)							Prepared: 0	8/03/22 Ana	alyzed: 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: 0	8/03/22 Ana	alyzed: 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: 0	8/03/22 Ana	alyzed: 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: 0	8/03/22 Ana	alyzed: 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		Project Name:		chen Frey DM	<b>1</b> #11				Re	ported:
104 South 4th Street		Project Number:		9034-0009					0.10.10.00	
Artesia NM, 88210		Project Manager:	G	reg Crabtree					8/8/2022	2:19:46PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>A</b>				Analys	t: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2232037-BLK1)							Prepared: 0	8/02/22	Analyzed:	08/03/22
Chloride	ND	20.0								
LCS (2232037-BS1)							Prepared: 0	8/02/22	Analyzed:	08/03/22
Chloride	229	20.0	250		91.7	90-110				
Matrix Spike (2232037-MS1)				Source:	E207204-0	)1	Prepared: 0	8/02/22	Analyzed:	08/03/22
Chloride	8050	200	250	8190	NR	80-120				M2
Matrix Spike Dup (2232037-MSD1)				Source:	E207204-0	)1	Prepared: 0	8/02/22	Analyzed:	08/03/22
Chloride	8710	200	250	8190	208	80-120	7.91	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**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	
١	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 14:19

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.



roject In	formation					Ch	ain of Custo	dy									Pa	e_3
TEANT FO	26					Bill To			Lab	Use Onl	Ü			_	TAT		EPA P	rogram
	Achen Frey DI Nanager: Gree		e.						207204	Job N	r lumber 1034-000		1D 21			tandard x	CWA	5DWA
Address:			176		City	, State, Zip				Analys	is and Me	ethod		_	-			RCRA
City, Stat Phone:	e, Zip				Pho Ema												State	X
21/4/	121915				Emi	HILL.		1 25										
mail: Al								BDGOL								NM CO	UT AZ	TX
Report d			100.00	1			tab	100		1 1						K	Remarks	
Sampled	Date Somuled	Mateix	Eastdoore	Sample 1D			Number	150					_	+	_	-	Remarks	
14:44	7.24.22	5	1	CS-3	5-344			X						1				
16:50	1	ī	1	C5-3	45		2	1						1	_			
14:53				cs-3	CS-346		3	L						1	_			
16:57				CS-3	CS-344		4	L							$\perp$			
16:59				CS-3	CS-348		5						_	1	$\perp$			
7:06				cs-3	349		6	1						1				
12:12				cs-3	50		7											
17:18				CS-	357		8	Ш										
17:24				Cs-	3 52		9	11										
17:31		7	1	cs-	353		10	1										
Addition	nal Instruction	ns:																
						tampering with or intentionally mulabel		salam.	E							From any that disc is collected with all		pd in extens
	e of collection is cr opd try: (Signatus		Dist		Time	Sampled by Kholiston Sam Received by (Signature)		/	Time				Lab	Use (	Only			
14	ed by: (Signatur	_	7-	24-22	14:29	Cartle Cht	7/29	22	14:30	Rece	ived on i	ce:	01	N				
невенциал	and any targetting					The state of the s				71			T2.			13		
Reliniquished by: (Signature) Date: Time Received by: (Signature)			Ditte		Timp		Temp °C		,									
Sample Matrix: 5 - Sail, 5d - Saild, 5g - Sludge, A - Aqueous, O - Other  Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous s					Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													

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lient: El	0G					Bill To			Lab	Use O	nly		70 00		AT	Toronto.		тодгат
roject:	Achen Frey D					tention:		Lab '	100 TO		Job Number		1D 2D 3D		St	andard	CWA	SDWA
	<u> lanager;</u> Gre	g Crabtre	e		14000	idress: cy, State, Zip					19034-000 lysis and Me	-	_	-	-	×		RCRA
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leport d	ue by:							Dea								*		
Time Sampled	Date Sampled	Matrix	Anul Desires	Sample ID			Lab Number	50									Remarks	
7.35	7-24-22	S	1	CS - 3	'54		11	×										
1:31	1	1	1	cs-3	55		12	1										
17:41				C5-35	56		13											
7.4P				CS-35	7		14											
17:57				C5-35	8		15											
12:59				cs-35	579		16	1/										
18.03	1	7	1	C5-36	50		17	1										
Addition	al Instructio	ns:																
, ifield san	plor), astes to the	ryplicity and	authenticit	of this sample	, Tam aware th	at tampering with or intentionally minist	setting the sample i	ocation.			per, requering the left in the JII are and							nd or nation
	e of collection is co		oud and may		legal action.	Sampled by Kholiston So	The state of		lline	-			Lah	Use O	nlv			
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Printed: 7/29/2022 6:37:39PM

#### **Envirotech Analytical Laboratory**

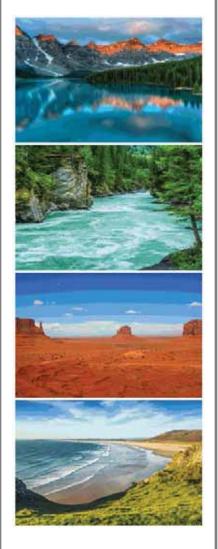
Sample Receipt Checklist (SRC)

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.

Logged In By: Caitlin Christian  holeton Sanchez  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.
Comments/Resolution  Project was seperated into 2 reports due to amount of samples. Workorders are as follows: E207203 COC pg 1&2 of 4,
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E207204 COC pg 3&4 01 4.
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Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

	_		
EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### CS-361 E207205-01

		E207203-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2232028
Benzene	ND	0.0250		1	08/01/22	08/03/22	Buten. 2232020
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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-362**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2232028
Benzene	ND	0.0250	1	1	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	l	08/01/22	08/03/22	
Toluene	ND	0.0250	1	l	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	l	08/01/22	08/03/22	
p,m-Xylene	ND	0.0500	1	l	08/01/22	08/03/22	
Total Xylenes	ND	0.0250	1	l	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		103 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	7		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/04/22	
Surrogate: n-Nonane		90.3 %	50-200		08/03/22	08/04/22	
	_	п		Analyst: R	A C		Batch: 2232038
Anions by EPA 300.0/9056A	mg/kg	mg/kg	-	Anaryst: K	AS		Batch: 2232038

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-363**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232028
Benzene	ND	0.0250	1	l	08/01/22	08/03/22	
Ethylbenzene	ND	0.0250	1	l	08/01/22	08/03/22	
Toluene	ND	0.0250	1	l	08/01/22	08/03/22	
o-Xylene	ND	0.0250	1	l	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	<u> </u>	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130		08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2232057
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/03/22	08/04/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	[	08/03/22	08/04/22	
Surrogate: n-Nonane		92.3 %	50-200		08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232038
			2		08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-364**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: Bromofluorobenzene		99.8 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/03/22	
Surrogate: Bromofluorobenzene		99.8 %	70-130	08/01/22	08/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/22	08/03/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2232038
			10		08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-365**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		99.2 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		98.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2232038
			10		08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-366**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		98.9 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		114 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232038
Chloride	460	400	20	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

#### **CS-367**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2232028
Benzene	ND	0.0250	1	l	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	l	08/01/22	08/04/22	
Toluene	ND	0.0250	1	l	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	l	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	l	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	l	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: Γ	Y		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130		08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: Jl	L		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	
Surrogate: n-Nonane		95.3 %	50-200		08/03/22	08/05/22	
A . 1 EDA 200 0/0056 A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2232038
Anions by EPA 300.0/9056A	0 0	0 0					



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-368**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		107 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232038
			20		08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-369**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		97.6 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232038



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-370**

		E207205-10				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		109 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2232038
Chloride	8800	400	20	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### CS-371

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232038
					08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-372**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		97.6 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		106 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		106 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232038
11110119 8 9 12111 0 0 0 10 7 9 0 0 0 1 1						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-373**

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232028
Benzene	ND	0.0250	1	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		99.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/04/22	
Surrogate: n-Nonane		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	10	00	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### CS-374

		Reporting					
Analyte	Result	Limit	Dilut	tion F	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		101 %	70-130	a	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	6	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	a	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 0	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130	6	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	6	08/01/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130	C	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	. 0	08/03/22	08/04/22	
Surrogate: n-Nonane		101 %	50-200		08/03/22	08/04/22	
A: L EDA 200 0/0056 A	mg/kg	mg/kg	A	Analyst: RAS	S		Batch: 2232038
Anions by EPA 300.0/9056A	0 0						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-375**

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.8 %	70-130	08/01	/22 08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	08/01	/22 08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01	/22 08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01	/22 08/04/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	08/01	/22 08/04/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	08/01	/22 08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/01	/22 08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		111 %	50-200	08/03.	/22 08/04/22	
	mg/kg	mg/kg	,	Analyst: RAS		Batch: 2232038
Anions by EPA 300.0/9056A	mg/kg	mg ng				Buttern: 2252050



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-376**

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-377**

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232028
Benzene	ND	0.0250	1	1	08/01/22	08/04/22	
Ethylbenzene	ND	0.0250	1	1	08/01/22	08/04/22	
Toluene	ND	0.0250	1	1	08/01/22	08/04/22	
o-Xylene	ND	0.0250	1	1	08/01/22	08/04/22	
p,m-Xylene	ND	0.0500	1	1	08/01/22	08/04/22	
Total Xylenes	ND	0.0250	1	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/05/22	
Surrogate: n-Nonane		112 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232038



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-378**

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.0 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-379**

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		96.7 %	70-130		08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/01/22	08/04/22	
Surrogate: Toluene-d8		102 %	70-130		08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		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	
Surrogate: n-Nonane		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	

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

### **CS-380**

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.0 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2232028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/04/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130	08/01/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/01/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08/01/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		108 %	50-200	08/03/22	08/05/22	
				A 1		D . 1 2222020
Anions by EPA 300.0/9056A	mg/kg	mg/kg	F	Analyst: RAS		Batch: 2232038



**EOG Resources** Achen Frey DM #11 Project Name: Reported: 104 South 4th Street Project Number: 19034-0009 Artesia NM, 88210 Project Manager: Greg Crabtree 8/8/2022 2:26:48PM Volatile Organic Compounds by EPA 8260B Analyst: IY Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2232028-BLK1) Prepared: 08/01/22 Analyzed: 08/03/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 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 0.500 104 70-130 Surrogate: Toluene-d8 0.520 LCS (2232028-BS1) Prepared: 08/01/22 Analyzed: 08/03/22 2.41 0.0250 2.50 96.3 70-130 Benzene 2.48 2.50 99.3 70-130 0.0250 Ethylbenzene 70-130 2.38 0.0250 2.50 95.2 2.32 2.50 92.8 70-130 0.0250 o-Xylene 92.2 4.61 5.00 70-130 p,m-Xylene 0.0500 6.93 0.0250 7.50 92.4 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.500 0.500 100 70-130 0.507 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 70-130 0.513 **Matrix Spike (2232028-MS1)** Source: E207205-01 Prepared: 08/01/22 Analyzed: 08/03/22

1 (							1
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

Matrix Spike Dup (2232028-MSD1)				Source	Source: E207205-01			3/01/22 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		

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/2022 2:26:48PM

Nonhalogenated	Organics	bv	<b>EPA</b>	8015D -	GRO
Tionnaiogenatea	or sames	$\boldsymbol{\nu}_{J}$		00131	GILO

Analyst:	יו
Amaryst.	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	LIIIII	Level	Resuit	Rec	Limits	KrD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232028-BLK1)							Prepared: 08	8/01/22 Ar	nalyzed: 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	8/01/22 Ar	nalyzed: 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:	E207205-0	01	Prepared: 08	8/01/22 Ar	nalyzed: 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:	E207205-0	01	Prepared: 08	8/01/22 Ar	nalyzed: 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: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.494 0.507		0.500 0.500		98.7 101	70-130 70-130			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:26:48PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					3/8/2022 2:26:48PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232057-BLK1)							Prepared: 0	8/03/22 An	alyzed: 08/04/22
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	42.5		50.0		85.1	50-200			
LCS (2232057-BS1)							Prepared: 0	8/03/22 An	alyzed: 08/04/22
viesel Range Organics (C10-C28)	206	25.0	250		82.2	38-132			
urrogate: n-Nonane	43.2		50.0		86.4	50-200			
Matrix Spike (2232057-MS1)				Source:	E207205-	05	Prepared: 0	8/03/22 An	alyzed: 08/04/22
viesel Range Organics (C10-C28)	435	50.0	250	209	90.0	38-132			
urrogate: n-Nonane	45.4		50.0		90.8	50-200			
Matrix Spike Dup (2232057-MSD1)				Source:	E207205-	05	Prepared: 0	8/03/22 An	alyzed: 08/04/22
tiesel Range Organics (C10-C28)	510	50.0	250	209	120	38-132	16.0	20	
urrogate: n-Nonane	52.0		50.0		104	50-200			



EOG Resources		Project Name:		chen Frey DM	1#11				Rep	orted:
104 South 4th Street		Project Number:		9034-0009					0./0./2022	2.26.40DM
Artesia NM, 88210		Project Manager:	G	reg Crabtree					8/8/2022	2:26:48PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	A				Analyst	: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2232038-BLK1)							Prepared: 0	8/02/22	Analyzed: (	08/03/22
Chloride	ND	20.0								
LCS (2232038-BS1)							Prepared: 0	8/02/22	Analyzed: (	08/03/22
Chloride	250	20.0	250		100	90-110				
Matrix Spike (2232038-MS1)				Source:	E207205-0	)1	Prepared: 0	8/02/22	Analyzed: (	08/03/22
Chloride	751	20.0	250	473	111	80-120				
Matrix Spike Dup (2232038-MSD1)				Source:	E207205-0	)1	Prepared: 0	8/02/22	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 14:26

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.



roject ii	nformation						Chain of Custo	w.F.						Page			
Wast. F	36					Bill To			(ah l	Jse Only			TA	T	EPA P	rogram	
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Addition	nal Instruction	ns:															
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, Held sam	plet), attent to the	validity an	dauthenticit	y of this sample.	Carr awars the	t timpering with or intentionally mislabe	ting the sample I	scattern,		packed in its at an ang tem					
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Printed: 7/29/2022 6:44:15PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

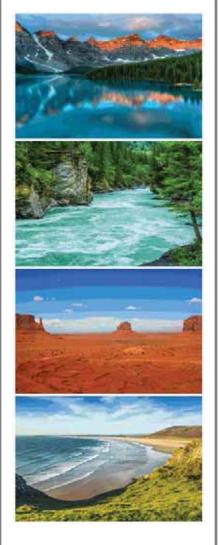
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone:					
i none.	(575) 748-4217	Date Logged In:	07/29/22 1:	5:00	Logged In By: Caitlin Christian
Email:	]	Due Date:	08/05/22 1	7:00 (5 day TAT)	
Chain of	Custody (COC)				
1. Does th	ne sample ID match the COC?		Yes		
2. Does th	ne number of samples per sampling site location mate	h the COC	Yes		
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>K</u>	Kholeton Sanchez
4. Was the	e COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes		
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in t		Yes		Comments/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssion urn Around Time (TAT)	•		1	Commences resolution
	COC indicate standard TAT, or Expedited TAT?		Yes		Project has been seperated into 6 reports
	•		103		due to amount of samples. Workorders are
Sample C	cample cooler received?		Yes		<u>-</u>
	was cooler received in good condition?		Yes		as follows:
•	•				E207205 COC pg 1&2 of 11,E207206
	e sample(s) received intact, i.e., not broken?		Yes		COC pg 3&4 of 11,E207207 COC pg 5&6
	custody/security seals present?		No		of 11, E207208 COC pg 7&8 of
•	were custody/security seals intact?		NA		11,E207209 COC pg 9&10 of 11,E207210
	e sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes		COC pg 11 of 11.
13. If no v	visible ice, record the temperature. Actual sample to	emperature: 4°	<u>C</u>		
Sample C					
	queous VOC samples present?		No		
	OC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
	trip blank (TB) included for VOC analyses?		NA		
	on-VOC samples collected in the correct containers?		Yes		
19. Is the a	appropriate volume/weight or number of sample containe	rs collected?	Yes		
Field Lab					
	field sample labels filled out with the minimum infor	mation:	37		
	ample ID? ate/Time Collected?		Yes		
	ollectors name?		Yes Yes		
	reservation		103		
	the COC or field labels indicate the samples were pre	served?	No		
	ample(s) correctly preserved?		NA		
	filteration required and/or requested for dissolved me	tals?	No		
	se Sample Matrix				
	the sample have more than one phase, i.e., multiphase	.9	No		
	does the COC specify which phase(s) is to be analyz		NA		
		cu:	NA		
	act Laboratory				
	amples required to get sent to a subcontract laboratory		No	0.1	
29. was a	subcontract laboratory specified by the client and if s	so wno?	NA	Subcontract Lab	o: na
Client In	<u>istruction</u>				
1					
1					
1					

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

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Sample Custody Officer Office: 505-632-1881

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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	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### CS-381 E207206-01

		2207200 01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		81.2 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232039
Chloride	1680	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-382**

Reporting								
Analyte	Result	Limit	Dil	ution	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		
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/02/22	08/04/22		
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		08/02/22	08/04/22		
Surrogate: Toluene-d8		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		
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/02/22	08/04/22		
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		08/02/22	08/04/22		
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/04/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		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		
Surrogate: n-Nonane		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		



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-383**

Reporting							
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		99.4 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.4 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-384**

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232029
Benzene	ND	0.0250	1	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene	·	102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/04/22	
Surrogate: n-Nonane		96.7 %	50-200		08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2232039



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-385**

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	Į.	08/02/22	08/04/22	
Toluene	ND	0.0250	1	Į.	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	Į.	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	Į.	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	ļ	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	7		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	l	08/03/22	08/04/22	
Surrogate: n-Nonane		95.1 %	50-200		08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2232039
Amons by EFA 500.0/9050A							



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-386**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		102 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		102 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		91.6%	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232039
11110119 8 7 22111 0 0 0 10 7 7 0 0 0 1 1						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-387**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2232029
Benzene	ND	0.0250	1		08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	l	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	l	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1		08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	īL		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	l	08/03/22	08/04/22	
Surrogate: n-Nonane		97.1 %	50-200		08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2232039
11110119 8 9 12111 0 0 0 10 7 9 0 0 0 1 1							



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-388**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		94.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2232039
Allions by EFA 500.0/9030A						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### **CS-389**

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	08/02/22	08/04/22	
Toluene	ND	0.0250	1		08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	l	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	l	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1		08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	Y		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg mg/kg		Analyst: J	L		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	ļ	08/03/22	08/05/22	
Surrogate: n-Nonane		84.6 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2232039



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

### CS-390

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2232029	
Benzene	ND	0.0250	1	1	08/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	1	08/02/22	08/04/22	
Toluene	ND	0.0250	1	1	08/02/22	08/04/22	
o-Xylene	ND	0.0250	1	1	08/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	1	08/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	4	5	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	454	250	5	5	08/03/22	08/05/22	
Surrogate: n-Nonane		97.0 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2232039



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# CS-391

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		88.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2232039
thions by Elite Cotton / Cocoli						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# CS-392

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# CS-393

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 1	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	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: 1	IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		08/02/22	08/04/22	
Surrogate: Toluene-d8		103 %	70-130		08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ı	Analyst: .	JL		Batch: 2232056
Diesel Range Organics (C10-C28)	1130	250	10	0	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	585	500	10	0	08/03/22	08/05/22	
Surrogate: n-Nonane		90.5 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	RAS		Batch: 2232039
Chloride	3190	40.0	2		08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# CS-394

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/02/22	08/04/22	
Surrogate: Toluene-d8		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		84.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232039



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# **CS-395**

		Reporting					
Analyte	Result	Limit	Dilut	tion P1	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2232029
Benzene	ND	0.0250	1	08	3/02/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08	3/02/22	08/04/22	
Toluene	ND	0.0250	1	08	3/02/22	08/04/22	
o-Xylene	ND	0.0250	1	08	3/02/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08	3/02/22	08/04/22	
Total Xylenes	ND	0.0250	1	08	3/02/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08	3/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08	3/02/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08	8/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	80	3/02/22	08/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08	3/02/22	08/04/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08	3/02/22	08/04/22	
Surrogate: Toluene-d8		104 %	70-130	08	8/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2232056
Diesel Range Organics (C10-C28)	ND	25.0	1	08	3/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08	3/03/22	08/05/22	
Surrogate: n-Nonane		98.7 %	50-200	08	3/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS			Batch: 2232039
thions by Elite Cotton / Cocoli							



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# **CS-396**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		103 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		103 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		95.0 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2232039
11110115 0 3 11111 0 0 0 0 0 7 0 0 0 1 1							



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# **CS-397**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene	·	101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		97.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2232039
Amons by ETA 500.0/3050A						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# CS-398

E207206-18
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		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		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	
Surrogate: n-Nonane		100 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2232039
· · · · · · · · · · · · · · · · · · ·	690	20.0		1	08/02/22	08/04/22	

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

# Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# **CS-399** E207206-19

#### Reporting Analyte Limit Dilution Result Prepared Analyzed Notes Analyst: IY Batch: 2232029 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 08/02/22 08/05/22 ND 0.0250 Benzene 08/05/22 1 08/02/22 Ethylbenzene ND 0.0250ND 0.0250 08/02/22 08/05/22 Toluene 1 08/02/22 08/05/22 o-Xylene ND 0.025008/02/22 08/05/22 ND 0.0500 p,m-Xylene 08/02/22 08/05/22 1 Total Xylenes ND 0.0250 99.9 % 08/02/22 08/05/22 Surrogate: Bromofluorobenzene 70-130 08/05/22 Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 08/02/22 Surrogate: Toluene-d8 104 % 70-130 08/02/22 08/05/22 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2232029 ND 1 08/02/22 08/05/22 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 99.9 % 08/02/22 08/05/22 70-130 08/02/22 08/05/22 Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 Surrogate: Toluene-d8 08/02/22 08/05/22 104 % 70-130 mg/kg Analyst: JL Batch: 2232056 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 500 08/03/22 08/05/22

1000

mg/kg

400

81.3 %

659

ND

mg/kg

ND

20

20

20

Analyst: RAS

50-200

08/03/22

08/03/22

08/02/22

08/05/22

08/05/22

08/04/22

Batch: 2232039

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

# **CS-400**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2232029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		92.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2232039
Amons by ETA 300.0/7030A						



Achen Frey DM #11 EOG Resources Project Name: Reported: 104 South 4th Street Project Number: 19034-0009 Artesia NM, 88210 Project Manager: Greg Crabtree 8/8/2022 2:35:44PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2232029-BLK1) Prepared: 08/02/22 Analyzed: 08/04/22 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 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 0.500 105 70-130 Surrogate: Toluene-d8 0.526 LCS (2232029-BS1) Prepared: 08/02/22 Analyzed: 08/04/22 2.36 0.0250 2.50 94.6 70-130 Benzene 2.45 2.50 98.1 70-130 Ethylbenzene 0.0250 2.37 0.0250 2.50 94.7 70-130 2.29 2.50 91.6 70-130 o-Xylene 0.0250 4.55 5.00 90.9 70-130 p,m-Xylene 0.0500 6.84 0.0250 7.50 91.2 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.499 0.500 99.8 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 Surrogate: Toluene-d8 0.500 70-130 0.516 Matrix Spike (2232029-MS1) Source: E207206-02 Prepared: 08/02/22 Analyzed: 08/04/22 2.53 48-131 0.0250 2.50 ND ND 45-135 Ethylbenzene 2.60 0.0250 2.50 104 2.52 ND 101 48-130 Toluene 0.0250 2.50 o-Xylene 2.41 0.0250 2.50 ND 96.4 43-135 4.83 5.00 ND 96.5 43-135 p,m-Xylene 0.0500 Total Xylenes 7.24 0.0250 7.50 ND 96.5 43-135 102 Surrogate: Bromofluorobenzene 0.510 0.500 70-130

Matrix Spike Dup (2232029-MSD1)				Source:	Source: E207206-02			8/02/22 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		

0.500

0.500

102

105

70-130

70-130

0.511

0.523



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/2022 2:35:44PM

Nonhalogenated Organics by EPA	8015D - GRO
--------------------------------	-------------

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	resure				1100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232029-BLK1)							Prepared: 0	8/02/22 Anal	lyzed: 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: 0	8/02/22 Anal	lyzed: 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: 0	8/02/22 Anal	lyzed: 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: 0	8/02/22 Anal	lyzed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	•
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 2:35:44PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				;	8/8/2022 2:35:44PM
	Nonhal	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232056-BLK1)							Prepared: 0	8/03/22 An	alyzed: 08/04/22
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.7		50.0		91.3	50-200			
CS (2232056-BS1)							Prepared: 0	8/03/22 An	alyzed: 08/04/22
riesel Range Organics (C10-C28)	231	25.0	250		92.5	38-132			
urrogate: n-Nonane	46.7		50.0		93.4	50-200			
Matrix Spike (2232056-MS1)				Source:	E207206-	05	Prepared: 0	8/03/22 An	alyzed: 08/04/22
riesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike Dup (2232056-MSD1)				Source:	E207206-	05	Prepared: 0	8/03/22 An	alyzed: 08/04/22
tiesel Range Organics (C10-C28)	238	25.0	250	ND	95.4	38-132	2.56	20	
urrogate: n-Nonane	46.3		50.0		92.6	50-200			



EOG Resources 104 South 4th Street		Project Name: Project Number:		Achen Frey DM 9034-0009	ſ#11				Reported:
Artesia NM, 88210		Project Manager		Greg Crabtree					8/8/2022 2:35:44PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232039-BLK1)							Prepared: 0	8/02/22 A	analyzed: 08/03/22
Chloride	ND	20.0							
LCS (2232039-BS1)							Prepared: 0	8/02/22 A	analyzed: 08/03/22
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2232039-MS1)				Source:	E207206-	01	Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	1520	20.0	250	1680	NR	80-120			M2
Matrix Spike Dup (2232039-MSD1)				Source:	E207206-0	)1	Prepared: 0	8/02/22 A	nalyzed: 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**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	
١	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 14:35

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.



Client: El	06					Bill To	0			Lab L	se Only	/		-	T/	AT-		EPA P	rogram
	Achen Frey D	M#11				Attention:		ti	ab W		CONTRACTOR OF THE PARTY OF THE	umber		1D 2D	3D	Stan	dard	CWA	SDWA
	Manager: Gre		e			Address:		_ E	20	1200		034-0009							
Address:						City, State, Zip		-  -	_		Analys	is and Me	thod	_	_			_	RCRA
City, Stat	te, Zip			_		Phone:		-										State	
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Project Information

Page Y of 11

Client: El	OG					Bill To			- 1	ab U	se Only			TA			rogram
	Achen Frey D	M.#11				Attention:		Lab	wollax	10	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project A	Aanager: Grey	; Crabtre	e			Address:		Ea	OTA	Ψ	19034-0009				×	-	RCRA
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Chain of Custody

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envirotech Inc.

Printed: 7/29/2022 6:46:35PM

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

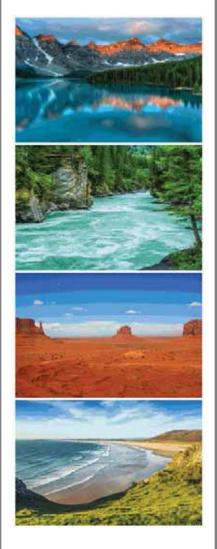
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: EOG Resources	Date Received:	07/29/22	14:30	Work O	rder 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 r	natch the COC	Yes				
3. Were samples dropped off by client or carrier?		Yes	Carrier: K	holeton Sanchez		
4. Was the COC complete, i.e., signatures, dates/times, requ	uested analyses?	Yes				
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disuc		Yes		<u>(</u>	Commen	ts/Resolution
Sample Turn Around Time (TAT)				During the street		4-4:04-6-0-0-0
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		-	-	ted into 6 reports
Sample Cooler				due to amount of	samp	les. Workorders are
7. Was a sample cooler received?		Yes		as follows:		
8. If yes, was cooler received in good condition?		Yes		E207205 COC p	g 1&2	of 11.E207206
9. Was the sample(s) received intact, i.e., not broken?		Yes	l	_	-	07207 COC pg 5&6
10. Were custody/security seals present?		No	l			
11. If yes, were custody/security seals intact?		NA		of 11, E207208 (	_	_
<ul> <li>12. Was the sample received on ice? If yes, the recorded temp is 4' Note: Thermal preservation is not required, if samples minutes of sampling</li> <li>13. If no visible ice, record the temperature. Actual samples</li> </ul>	are received w/i 15	Yes		11,E207209 COC COC pg 11 of 11		&10 of 11,E207210
	ore temperature. 4	<u> </u>				
Sample Container  14. Are a green VOC complete present?		NT-				
<ul><li>14. Are aqueous VOC samples present?</li><li>15. Are VOC samples collected in VOA Vials?</li></ul>		No NA				
16. Is the head space less than 6-8 mm (pea sized or less)?		NA NA				
17. Was a trip blank (TB) included for VOC analyses?		NA V				
<ul><li>18. Are non-VOC samples collected in the correct containe</li><li>19. Is the appropriate volume/weight or number of sample con</li></ul>		Yes Yes				
	tamers confected?	105				
Field Label  20. Were field sample labels filled out with the minimum in	nformation:					
Sample ID?		Yes				
Date/Time Collected?		Yes	ı			
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 filteration required and/or requested for dissolved	d metals?	No				
Multiphase Sample Matrix						
26. Does the sample have more than one phase, i.e., multip	hase?	No				
27. If yes, does the COC specify which phase(s) is to be an	alyzed?	NA				
Subcontract Laboratory						
28. Are samples required to get sent to a subcontract labora	atory?	No				
29. Was a subcontract laboratory specified by the client and	•	NA	Subcontract Lab	: na		
• • •			Suotomatet Luo			
Client Instruction						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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# **Sample Summary**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	Reported:
l	104 South 4th Street	Project Number:	19034-0009	Reported.
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/09/22 13:08

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# CS-401 E207207-01

Analyzed	
Hilaryzea	Notes
	Batch: 2232030
08/04/22	
08/04/22	
08/04/22	
08/04/22	
08/04/22	
08/04/22	
08/04/22	
	Batch: 2232030
08/04/22	
08/04/22	
	Batch: 2232055
08/08/22	
08/08/22	
08/08/22	
	Batch: 2232040
08/03/22	
	08/04/22 08/04/22 08/04/22 08/04/22 08/04/22 08/04/22 08/04/22 08/04/22 08/08/22 08/08/22 08/08/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-402**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		63.4 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232040
Chloride	926	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-403**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		79.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232040
	ND	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-404**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		64.8 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232040
Chloride	1480	20.0	1	08/02/22	08/03/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-405**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		77.2 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232040
Chloride	90.2	20.0	1	08/02/22	08/03/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-406**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		74.1 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2232040
Chloride	21.9	20.0	1	08/02/22	08/04/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-407**

Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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		
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	08/02/22	08/04/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/02/22	08/04/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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		
Surrogate: n-Nonane		70.2 %	50-200	08/03/22	08/04/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2232040	
Chloride	2090	40.0	2	08/02/22	08/04/22	_	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-408**

		D 4				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	rrepared	Analyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		75.4 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232040
Chloride	7130	100	5	08/02/22	08/04/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-409**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		69.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232040
Chloride	52.2	20.0	1	08/02/22	08/04/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-410**

E207207-10						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: Л		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	
Surrogate: n-Nonane		99.9 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2232040
Chloride	4590	100	5	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-411**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		73.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2232040
Chloride	5700	100	5	08/02/22	08/04/22	<del></del>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-412**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		79.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232040
Chloride	1620	20.0	1	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

# **CS-413**

		E207207-13				
		Reporting				
Analyte	Result	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-414**

		2207207 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		75.7 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2232040
Chloride	11400	400	20	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-415**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		79.3 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232040
Chloride	1940	20.0	1	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-416**

		220.20.10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryte				•	7 mary zec	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: n-Nonane		83.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232040
Chloride	674	20.0	1	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-417**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		76.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232040
Chloride	2540	20.0	1	08/02/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-418**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		79.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2232040
Chloride	5160	400	20	08/02/22	08/04/22	_



Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### CS-419 E207207-19

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2232055

500

1000

40.0

79.7 %

20

20

2

Analyst: RAS

50-200

08/03/22

08/03/22

08/03/22

08/02/22

2000

1070

mg/kg

2690



08/05/22

08/05/22

08/05/22

08/04/22

Batch: 2232040

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

### **CS-420**

		E207207-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	0.0305	0.0250	1	08/02/22	08/05/22	
o,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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		84.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232040
Chloride	2390	100	5	08/02/22	08/04/22	



Achen Frey DM #11 EOG Resources Project Name: Reported: 104 South 4th Street Project Number: 19034-0009 Artesia NM, 88210 Project Manager: Greg Crabtree 8/9/2022 1:08:29PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2232030-BLK1) Prepared: 08/02/22 Analyzed: 08/04/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.72 94.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.65 0.0250 5.00 93.1 70-130 4.77 0.0250 5.00 95.3 70-130 Toluene o-Xylene 4.80 0.0250 5.00 96.0 70-130 9.42 10.0 94.2 70-130 0.0500 p.m-Xvlene 94.8 14.2 15.0 70-130 Total Xylenes 0.0250 8.00 112 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.95 Matrix Spike (2232030-MS1) Source: E207207-03 Prepared: 08/02/22 Analyzed: 08/04/22 4.68 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.63 0.0250 5.00 92.6 Toluene 4.72 0.0250 5.00 ND 94.4 61-130 4.78 ND 95.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.37 0.0500 10.0 ND 93.7 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 9.11 8.00 Matrix Spike Dup (2232030-MSD1) Source: E207207-03 Prepared: 08/02/22 Analyzed: 08/04/22 4.75 0.0250 5.00 ND 95.0 54-133 1.48 4.71 61-133 1.79 0.0250 5.00 ND 94.2 20 Ethylbenzene Toluene 4 80 0.0250 5.00 ND 95 9 61-130 1.53 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

97.3

95.5

96.1

114

63-131

63-131

63-131

70-130

1.91

1.89

1.90

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.87

9.55

14.4

9.14

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 1:08:29PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				8/9	/2022 1:08:29PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232030-BLK1)							Prepared: 0	8/02/22 Analy	zed: 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: 0	8/02/22 Analy	zed: 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: 0	8/02/22 Analy	zed: 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: 0	8/02/22 Analy	zed: 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			

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/9/2022 1:08:29PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					3/9/2022 1:08:29PN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO	_		Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232055-BLK1)							Prepared: 0	8/03/22 Ana	alyzed: 08/04/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	38.6		50.0		77.3	50-200			
.CS (2232055-BS1)							Prepared: 0	8/03/22 Ana	alyzed: 08/04/22
riesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
urrogate: n-Nonane	34.2		50.0		68.4	50-200			
Matrix Spike (2232055-MS1)				Source:	E207207-0	04	Prepared: 0	8/03/22 Ana	alyzed: 08/04/22
tiesel Range Organics (C10-C28)	348	25.0	250	212	54.5	38-132			
urrogate: n-Nonane	31.4		50.0		62.8	50-200			
Matrix Spike Dup (2232055-MSD1)				Source:	E207207-0	04	Prepared: 0	8/03/22 Ana	alyzed: 08/04/22
tiesel Range Organics (C10-C28)	394	25.0	250	212	72.9	38-132	12.4	20	
urrogate: n-Nonane	37.8		50.0		75.6	50-200			

EOG Resources		Project Name:		chen Frey DM	I #11				Reported:
104 South 4th Street Artesia NM, 88210		Project Number: Project Manager		9034-0009 Greg Crabtree					8/9/2022 1:08:29PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232040-BLK1)							Prepared: 0	8/02/22 A	analyzed: 08/03/22
Chloride	ND	20.0							
LCS (2232040-BS1)							Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2232040-MS1)				Source:	E207207-0	)1	Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	1090	20.0	250	968	49.3	80-120			M2
Matrix Spike Dup (2232040-MSD1)				Source:	E207207-0	)1	Prepared: 0	8/02/22 A	nalyzed: 08/03/22
Chloride	1220	20.0	250	968	102	80-120	11.3	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/09/22 13:08

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.



Tant. C.	n/c					BIII To			Lab I	Jse Only				TAT		EPA P	rogram
Tient: El	JG Achen Frey Di	M#11			At	ttention:		tab V		Job Nu		ID	20		Standard	CWA	SDWA
roject f	Aanager: Gres	Crabtre	e		10444	ddress:		Eá	108F0		34-0009				х		
Address:						ty, State, Zip		$\vdash$		Analysis	s and Metho	bd	-		-		RCRA
ity, Stat	e, Zip				1	none:										State	-
1000000						THE PERSON NAMED IN COLUMN NAM		1									
	I Enviro							Ö							NM CO	UT AZ	TX
leport d	ue by:		_		10		Lab	DC			10.1				×		
Time Sampled	Date Sampled	Matrix	Sintarum Einterum	Sample ID			Number	pa								Remarks	
2:19	7-28-21	5	1	C5-4	οl		1	4									
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Page 31 of 33

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Printed: 8/1/2022 10:28:17AM

### **Envirotech Analytical Laboratory**

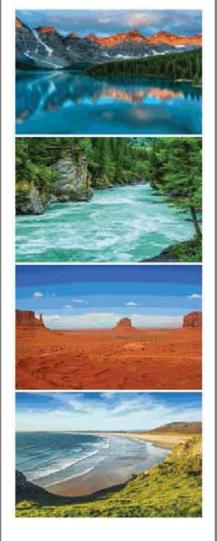
Sample Receipt Checklist (SRC)

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	e: E207207	
Phone:	(575) 748-4217	Date Logged In:	07/29/22	15:06	Logged In By:	Caitlin Christian	
Email:		Oue Date:	08/05/22	17:00 (5 day TAT)			
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	1 the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Kholeto	n Sanchez		
4. Was t	he COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes				
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commo	ents/Resolution	
Sample	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	•						
	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
•	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA NA				
•	the sample received on ice? If yes, the recorded temp is 4°C, i.e.  Note: Thermal preservation is not required, if samples are reminutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	<u>C</u>				
	<u>Container</u>						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	e appropriate volume/weight or number of sample container	rs collected?	Yes				
Field La	<del></del>						
	e field sample labels filled out with the minimum inform Sample ID?	nation:	Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
Sample	Preservation						
21. Does	s the COC or field labels indicate the samples were pres	served?	No				
22. Are	sample(s) correctly preserved?		NA				
24. Is la	b filteration required and/or requested for dissolved met	tals?	No				
Multiph	nase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multiphase	?	No				
27. If ye	s, does the COC specify which phase(s) is to be analyze	ed?	NA				
		?	No				
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: na			
	• • •		•				
Client	Instruction						
28. Are 29. Was	tract Laboratory samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if so Instruction		No NA	Subcontract Lab: na			
							_
						(3)	
Signa	ature of client authorizing changes to the COC or sample dispos	sition.			Date	— envirote	ch Ir

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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**Alexa Michaels** 

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labadmin@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@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**

Г	EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
	104 South 4th Street	Project Number:	19034-0009	Reported:
	Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### CS-421 E207208-01

	E20/200-01				
Result			Prepared	Analyzed	Notes
			•		
mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
ND	0.0250	1	08/02/22	08/04/22	
ND	0.0250	1	08/02/22	08/04/22	
ND	0.0250	1	08/02/22	08/04/22	
ND	0.0250	1	08/02/22	08/04/22	
ND	0.0500	1	08/02/22	08/04/22	
ND	0.0250	1	08/02/22	08/04/22	
	102 %	70-130	08/02/22	08/04/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
ND	20.0	1	08/02/22	08/04/22	
	91.1 %	70-130	08/02/22	08/04/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2232054
4780	500	20	08/03/22	08/05/22	
4140	1000	20	08/03/22	08/05/22	
	89.1 %	50-200	08/03/22	08/05/22	
mg/kg	mg/kg	Analys	st: KL		Batch: 2232062
9600	400	20	08/03/22	08/05/22	
	ND ND ND ND Mg/kg ND mg/kg 4780 4140	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           Mg/kg         mg/kg           Mg/kg         mg/kg           4140         1000           89.1 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           91.1 %         70-130           mg/kg         mg/kg         Analys           4780         500         20           4140         1000         20           89.1 %         50-200         Analys           mg/kg         mg/kg         Analys	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: JL           4780         500         20         08/03/22           4140         1000         20         08/03/22           89.1 %         50-200         08/03/22           mg/kg         mg/kg         Analyst: KL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22         08/04/22           ND         0.0500         1         08/02/22         08/04/22           ND         0.0250         1         08/02/22         08/04/22           ND         0.0250         1         08/02/22         08/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         08/02/22         08/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         08/02/22         08/04/22           mg/kg         mg/kg         Analyst: JL         4780         500         20         08/03/22         08/05/22           4780         500         20         08/03/22         08/05/22         08/05/22           4780 </td



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### **CS-422**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		95.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2232062
Chloride	19900	1000	50	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### **CS-423**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		110 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232062
Chloride	634	20.0	1	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### **CS-424**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	08/02/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		95.4 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2232062
Chloride	1390	40.0	2	08/03/22	08/05/22	_



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### **CS-425**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		86.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analysi	t: KL		Batch: 2232062



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### **CS-426**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	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	
Surrogate: n-Nonane		95.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2232062
Chloride	5390	100	5	08/03/22	08/05/22	



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### **CS-427**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		98.2 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2232062
Chloride	23900	1000	50	08/03/22	08/05/22	



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### **CS-428**

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232031
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	102 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2232031
ND	20.0	1	08/02/22	08/05/22	
	94.3 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2232054
ND	25.0	1	08/03/22	08/05/22	
ND	50.0	1	08/03/22	08/05/22	
	103 %	50-200	08/03/22	08/05/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2232062
		2	08/03/22	08/05/22	
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO2 %         mg/kg           mg/kg         mg/kg           ND         20.0           94.3 %         mg/kg           ND         25.0           ND         50.0           103 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           94.3 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           103 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           mg/kg         70-130         08/02/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22           ND         50.0         1         08/03/22           103 %         50-200         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           MD         0.0250         1         08/02/22         08/05/22           mg/kg         70-130         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/03/22         08/05/22           ND         50.0         1         08/03/22         08/05/22           ND         50.0         1         08/03/22         08/05/22



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### **CS-429**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	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	
Surrogate: n-Nonane		94.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2232062
Chloride	20200	1000	50	08/03/22	08/05/22	



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### CS-430

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	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	
Surrogate: n-Nonane		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	_



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### CS-431

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		88.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	mg/kg Analyst: KL			Batch: 2232062
Chloride	12500	400	20	08/03/22	08/05/22	



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### **CS-432**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		111 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2232062
Chloride	9460	200	10	08/03/22	08/05/22	



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### **CS-433**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		107 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232062
Chloride	1070	20.0	1	08/03/22	08/05/22	•



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### **CS-434**

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232031
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	99.9 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Analyst: IY		Batch: 2232031	
ND	20.0	1	08/02/22	08/05/22	
	94.2 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2232054
47.2	25.0	1	08/03/22	08/05/22	
ND	50.0	1	08/03/22	08/05/22	
	96.5 %	50-200	08/03/22	08/05/22	
ma/ka	mg/kg	Ana	lyst: KL		Batch: 2232062
mg/kg	mg/kg		-7		
	ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 47.2	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           MD         20.0           94.2 %         mg/kg           mg/kg         mg/kg           47.2         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Ana           ND         20.0         1           94.2 %         70-130           mg/kg         mg/kg         Ana           47.2         25.0         1           ND         50.0         1           96.5 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         mg/kg/22         08/02/22           mg/kg         mg/kg/22         Analyst: JL           47.2         25.0         1         08/03/22           ND         50.0         1         08/03/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22         08/05/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22         08/05/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: JL         47.2         25.0         1         08/03/22         08/05/22           ND         50.0         1         08/03/22         08/05/22         08/05/22           ND         50.0         1         08/03/22         08/05/22



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### **CS-435**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		94.6 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2232062
Chloride	9790	200	10	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

### **CS-436**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		92.8 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2232062
Chloride	4420	40.0	2	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

#### **CS-437**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		130 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2232062
Chloride	3510	40.0	2	08/03/22	08/05/22	_

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

#### **CS-438**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		95.0 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2232062
Chloride	195	20.0	1	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

#### **CS-439**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		80.5 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2232062
Chloride	2320	40.0	2	08/03/22	08/05/22	_



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

#### **CS-440**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		74.1 %	50-200	08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2232062
Chloride	3050	40.0	2	08/03/22	08/05/22	



### **QC Summary Data**

Achen Frey DM #11 EOG Resources Project Name: Reported: 104 South 4th Street Project Number: 19034-0009 Artesia NM, 88210 Project Manager: Greg Crabtree 8/9/2022 9:55:54AM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2232031-BLK1) Prepared: 08/02/22 Analyzed: 08/04/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.95 98.9 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.82 0.0250 5.00 96.4 70-130 4.99 0.0250 5.00 99.8 70-130 Toluene 98.2 o-Xylene 4.91 0.0250 5.00 70-130 9.76 10.0 97.6 70-130 0.0500 p.m-Xvlene 97.8 14.7 15.0 70-130 Total Xylenes 0.0250 8.00 99.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 Matrix Spike (2232031-MS1) Source: E207208-01 Prepared: 08/02/22 Analyzed: 08/04/22 5.13 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 5.05 0.0250 5.00 101 Toluene 5.19 0.0250 5.00 ND 104 61-130 5.07 ND 101 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.2 0.0500 10.0 ND 102 63-131 15.3 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.83 8.00 Matrix Spike Dup (2232031-MSD1) Source: E207208-01 Prepared: 08/02/22 Analyzed: 08/04/22 5.16 0.0250 5.00 ND 54-133 0.545 20

5.09

5 22

5.11

10.3

15.4

7.86

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

102

104

102

103

103

98.3

61-133

61-130

63-131

63-131

63-131

70-130

0.712

0.646

0.763

0.775

0.771

20

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				8/9	9/2022 9:55:54AM		
	Non	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		
Blank (2232031-BLK1)							Prepared: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:55:54AM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				Č	/9/2022 9:55:54AN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232054-BLK1)							Prepared: 0	8/03/22 Ana	alyzed: 08/05/22
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.7		50.0		99.3	50-200			
.CS (2232054-BS1)							Prepared: 0	8/03/22 Ana	alyzed: 08/05/22
riesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132			
urrogate: n-Nonane	47.0		50.0		94.0	50-200			
Matrix Spike (2232054-MS1)				Source:	E207208-	06	Prepared: 0	8/03/22 Ana	alyzed: 08/05/22
riesel Range Organics (C10-C28)	2520	1250	250	2390	52.9	38-132			
urrogate: n-Nonane	43.2		50.0		86.5	50-200			
Matrix Spike Dup (2232054-MSD1)				Source:	E207208-	06	Prepared: 0	8/03/22 Ana	alyzed: 08/05/22
tiesel Range Organics (C10-C28)	2630	1250	250	2390	95.5	38-132	4.13	20	
urrogate: n-Nonane	41.7		50.0		83.4	50-200			

LCS Dup (2232062-BSD1)

Chloride

252

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

20

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	1	Achen Frey DM 9034-0009 Greg Crabtree	<b>1</b> #11				<b>Reported:</b> 8/9/2022 9:55:54AM
<u>'</u>		Anions	by EPA	300.0/9056 <i>A</i>	4				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 (2232062-BLK1)							Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Chloride	ND	20.0							
LCS (2232062-BS1)							Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Chloride	255	20.0	250		102	90-110			

250

20.0

101

90-110

1.03

#### 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	08/09/22 09:55

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.



Hent: EC	ng .					Bill To			Lab I	Jse Only		1	TA	T	EPA P	rogram
roject: /	Achen Frey D	M#11			Atte	ention:		Lab		Job N		1D 2		Standard	CWA	5DWA
roject N	tanager: Gre	g Crabtre	ė		Add	Address:			80872		034-0009			X		
Address:						City, State, Zip				Analysi	s and Metho	bd				RCRA
hone:	e, Zip			_	Pho Emi										State	X
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mail: Al	Enviro							12					1.1	NM CO	UT AZ	TX
Report d	ue by:						1	000								
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4:24	7-28-22	5	1	CS-4	21		1	X								
4:28	1	1	1	CS.7	22		2	1								
14:31				CS-4	13		3					П				
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								-	121.11	in a charle	_	T.43	v	FOAG	CO MESSAGE
lient: E	DG Achen Frey D	M #11			0.1	Eill To tention:		tab		Job Number	TAT 1D 2D 3D Standard			CWA	SDWA
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15:06	4-18-01	5	1	CS-4	31		11	*							
15:10	T	1	1	CS-4	32		12	1				Ш			
15:14				CS-4	CS-433		13					Ш			
15.15				CS-4	CS-434		14				1	Ш			
15:23				CS-4	CS-435		15					Н			
15:30				CS-4	36		16	1				Н			
15:34				CS-4	37		17	11				Н			
15:39				C5-4	138		18	Ш				Ш			
15.42				CS-4	39		19					Ш			
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	al Instructio	ns:													
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Sample Matrix 5 - 508, 5d - 50M, 5g - Sindge, A - Aquenus, O - Other			Contains	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											

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Printed: 8/1/2022 10:30:46AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

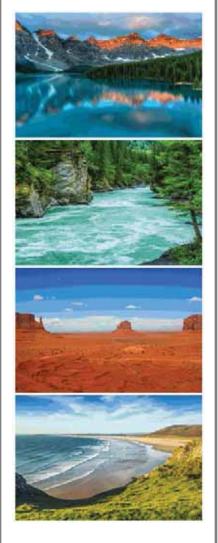
Instructions: Please take note of any NO checkmarks.

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 1	4:30		Work Order ID:	E207208
Phone:	(575) 748-4217	Date Logged In:	07/29/22 1	5:08		Logged In By:	Caitlin Christian
Email:		Due Date:	08/05/22	17:00 (5 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>I</u>	Kholeton Sanchez	<u>.</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
	<ul><li><u>Urn Around Time (TAT)</u></li><li>COC indicate standard TAT, or Expedited TAT?</li></ul>		Yes				
Sample C							
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	Container_						
14. Are a	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers?	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>pel</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID? vate/Time Collected?		Yes				
	ollectors name?		Yes Yes				
	reservation		103				
	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lal	h· na		
				Subcontract La	o. na		
Chent II	<u>nstruction</u>						
							C

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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	Project Name:	Achen Frey DM #11	Donoutodi
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/09/22 09:58

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-441 E207209-01

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: IY		Batch: 2232032
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	99.5 %	70-130	08/02/22	08/05/22	
	93.8 %	70-130	08/02/22	08/05/22	
	104 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2232032
ND	20.0	1	08/02/22	08/05/22	
		1	00/02/22	00/03/22	
	99.5 %	70-130	08/02/22	08/05/22	
	99.5 % 93.8 %	70-130 70-130			
			08/02/22	08/05/22	
mg/kg	93.8 %	70-130 70-130	08/02/22 08/02/22	08/05/22 08/05/22	Batch: 2232053
mg/kg 1200	93.8 % 104 %	70-130 70-130	08/02/22 08/02/22 08/02/22	08/05/22 08/05/22	Batch: 2232053
	93.8 % 104 % mg/kg	70-130 70-130 Analy	08/02/22 08/02/22 08/02/22 yst: JL	08/05/22 08/05/22 08/05/22	Batch: 2232053
1200	93.8 % 104 % mg/kg 500	70-130 70-130 Analy	08/02/22 08/02/22 08/02/22 vyst: JL 08/03/22	08/05/22 08/05/22 08/05/22	Batch: 2232053
1200	93.8 % 104 % mg/kg 500 1000	70-130 70-130 Analy 20 20 50-200	08/02/22 08/02/22 08/02/22 vyst: JL 08/03/22 08/03/22	08/05/22 08/05/22 08/05/22 08/05/22 08/05/22	Batch: 2232053  Batch: 2232061
	mg/kg ND ND ND ND ND ND ND MD MD ND ND ND ND ND ND ND ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           99.5 %         93.8 %           104 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           99.5 %         70-130           93.8 %         70-130           104 %         70-130           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           99.5 %         70-130         08/02/22           93.8 %         70-130         08/02/22           104 %         70-130         08/02/22           mg/kg         mg/kg         Analyst: IY	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           99.5 %         70-130         08/02/22         08/05/22           93.8 %         70-130         08/02/22         08/05/22           104 %         70-130         08/02/22         08/05/22           mg/kg         Malyst: IY



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-442 E207209-02

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	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	Ī	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		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	
Surrogate: n-Nonane		84.2 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2232061
						08/05/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-443**

		E207209-03					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		99.4 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.4 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-444**

#### E207209-04

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### CS-445

E20720	09-05
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		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2232032
Benzene	ND	0.0250	1	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	1	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/05/22	
Surrogate: n-Nonane		75.9 %	50-200		08/03/22	08/05/22	
	п	/1		Analyst:	K1		Batch: 2232061
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Anaryst.	KL		Batch: 2232001



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-446**

		E207209-06					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		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	
Surrogate: n-Nonane		69.7 %	50-200		08/03/22	08/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2232061

20.0

08/03/22

08/05/22

192



Chloride

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-447**

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r,z	W / 4	という	-11/

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	Į.	08/02/22	08/05/22	
Toluene	ND	0.0250	1	Į.	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	Į.	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	l	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	ļ	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	ļ.	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		103 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	J		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	ļ.	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/03/22	08/05/22	
Surrogate: n-Nonane		80.6 %	50-200		08/03/22	08/05/22	
		/1		Analyst: K	т		Batch: 2232061
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Anaryst: K	ь		Batch: 2232001



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-448**

#### E207209-08

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
olatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2232032
enzene	ND	0.0250		1	08/02/22	08/05/22	
thylbenzene	ND	0.0250		1	08/02/22	08/05/22	
oluene	ND	0.0250		1	08/02/22	08/05/22	
-Xylene	ND	0.0250		1	08/02/22	08/05/22	
m-Xylene	ND	0.0500		1	08/02/22	08/05/22	
otal Xylenes	ND	0.0250		1	08/02/22	08/05/22	
urrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
urrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/02/22	08/05/22	
urrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2232032
asoline Range Organics (C6-C10)	ND	20.0		1	08/02/22	08/05/22	
urrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
urrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		08/02/22	08/05/22	
urrogate: Toluene-d8		105 %	70-130		08/02/22	08/05/22	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2232053
riesel Range Organics (C10-C28)	ND	25.0		1	08/03/22	08/05/22	
ril Range Organics (C28-C36)	ND	50.0		1	08/03/22	08/05/22	
urrogate: n-Nonane		80.4 %	50-200		08/03/22	08/05/22	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2232061
hloride	ND	20.0		1	08/03/22	08/05/22	
•						08/05/22	Batch:



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-449**

#### E207209-09

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		84.7 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2232061



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-450 E207209-10

		2207207 10				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Allaryte				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane	·	87.3 %	50-200	08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2232061
Chloride	100	20.0	1	08/03/22	08/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-451 E207209-11

		220.20, 11					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
			Di			Anaryzeu	
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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		106 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		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	
Surrogate: n-Nonane		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	<del></del>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### CS-452

#### E207209-12

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		99.3 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		85.5 %	50-200	08/03/22	08/05/22	
	mg/kg	mg/kg	A	analyst: KL		Batch: 2232061
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Battern 2202001



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-453

E20		

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		102 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### CS-454

		E207209-14				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2232032
Benzene	ND	0.0250	1	08/02/2	22 08/05/22	
Ethylbenzene	ND	0.0250	1	08/02/2	22 08/05/22	
Toluene	ND	0.0250	1	08/02/2	22 08/05/22	
o-Xylene	ND	0.0250	1	08/02/2	22 08/05/22	
p,m-Xylene	ND	0.0500	1	08/02/2	22 08/05/22	
Total Xylenes	ND	0.0250	1	08/02/2	22 08/05/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130	08/02/2	22 08/05/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/02/2	22 08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/2	22 08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/2	22 08/05/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130	08/02/2	22 08/05/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/02/2	22 08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/2	22 08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/2	22 08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/2	22 08/05/22	
Surrogate: n-Nonane		82.5 %	50-200	08/03/2	22 08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2232061
Chloride	1690	20.0	1	08/03/2	22 08/06/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-455 E207209-15

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2232032
Benzene	ND	0.0250	1	1	08/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	1	08/02/22	08/05/22	
Toluene	ND	0.0250	1	1	08/02/22	08/05/22	
o-Xylene	ND	0.0250	1	l	08/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	l	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		103 %	70-130		08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	7		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	1	08/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/03/22	08/05/22	
Surrogate: n-Nonane		90.7 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	L		Batch: 2232061
Chloride	198	20.0	1	1	08/03/22	08/06/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-456 E207209-16

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2232032
Benzene	ND	0.0250	1	. 0	8/02/22	08/05/22	
Ethylbenzene	ND	0.0250	1	0	8/02/22	08/05/22	
Toluene	ND	0.0250	1	0	8/02/22	08/05/22	
o-Xylene	ND	0.0250	1	. 0	8/02/22	08/05/22	
p,m-Xylene	ND	0.0500	1	. 0	8/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	. 0	8/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130	0	8/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	0	8/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	0	8/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 0	8/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130	0	8/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	0	8/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	0	8/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2232053
Diesel Range Organics (C10-C28)	ND	25.0	1	0	8/03/22	08/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	0	8/03/22	08/05/22	
Surrogate: n-Nonane		89.5 %	50-200	0	8/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2232061
	323	20.0			8/03/22	08/06/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

### CS-457

		E207209-17					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/02/22	08/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### **CS-458**

#### E207209-18

		Reporting					
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		100 %	70-130	(	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	(	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	(	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	(	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		100 %	70-130	(	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	(	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	(	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		78.3 %	50-200		08/03/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2232061



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### CS-459

#### E207209-19

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg A		Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg mg/kg		Α	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	
Surrogate: n-Nonane		84.3 %	50-200	08/03/22	08/05/22	
	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2232061
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Buten: 2252001



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/9/2022 9:58:57AM

#### CS-460 E207209-20

	_	Reporting	_			
Analyte	Result	Limit	Dilu	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY		Batch: 2232032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130	08/02/22	08/05/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/02/22	08/05/22	
Surrogate: Toluene-d8		106 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		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	<del></del>



EOG Resources Project Name: Achen Frey DM #11
Reported:
104 South 4th Street Project Number: 19034-0009
Artesia NM, 88210 Project Manager: Greg Crabtree 8/9/2022 9:58:57AM

Volatile Organic Compounds by EPA 8260B
Analyst: IY

	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232032-BLK1)							Prepared: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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: 0	8/02/22 Anal	yzed: 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			

0.500

105

70-130

0.524

Surrogate: Toluene-d8

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/9/20229:58:57AM

Nab-l	1 0	L. EDA	0015D	CDO
Nonhalogenate	d Organics	DV EPA	XU15D -	(+K()

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232032-BLK1)							Prepared: 08	3/02/22 Analy	zed: 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	3/02/22 Analy	zed: 08/05/22
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130	<u> </u>	<u> </u>	
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	3/02/22 Analy	zed: 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	3/02/22 Analy	zed: 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			



EOG Resources Project Name: Achen Frey DM #11
104 South 4th Street Project Number: 19034-0009
Artesia NM, 88210 Project Manager: Greg Crabtree 8/9/2022 9:58:57AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					8/9/2022 9:38:3/Alv
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232053-BLK1)							Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	42.4		50.0		84.9	50-200			
LCS (2232053-BS1)							Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
urrogate: n-Nonane	34.7		50.0		69.4	50-200			
Matrix Spike (2232053-MS1)				Source:	E207209-	05	Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132			
urrogate: n-Nonane	45.3		50.0		90.5	50-200			
Matrix Spike Dup (2232053-MSD1)				Source:	E207209-	05	Prepared: 0	8/03/22 A	nalyzed: 08/05/22
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	0.0373	20	
urrogate: n-Nonane	44.1		50.0		88.3	50-200			



Matrix Spike Dup (2232061-MSD1)

Chloride

2330

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number Project Manage	: 1	ichen Frey DM 9034-0009 Greg Crabtree	1#11				<b>Reported:</b> 8/9/2022 9:58:57AM
		Anions	by EPA	300.0/9056 <i>E</i>	4				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 (2232061-BLK1)							Prepared: 0	8/03/22 An	nalyzed: 08/05/22
Chloride	ND	20.0							
LCS (2232061-BS1)							Prepared: 0	8/03/22 An	nalyzed: 08/05/22
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2232061-MS1)				Source:	E207209-	01	Prepared: 0	8/03/22 An	nalyzed: 08/05/22
Chloride	2220	40.0	250	2160	23.6	80-120			M2

250

40.0

Source: E207209-01

68.4

80-120

4.91

2160

#### 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.



Prepared: 08/03/22 Analyzed: 08/05/22

M2

20

### **Definitions and Notes**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	
١	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/09/22 09:58

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.



Sient: EC	36		_				Bill To			Lab U	se Only	TAT			EPA P	ogram
	Achen Fre	y DN	1111			Atte	ention:		Lab	NO#	Job Number	1D 20	30	Standard	CWA	5DWA
roject N	Aanager:			e		10000	ress:	_	Ex	POSTO	19034-0009 Analysis and Metho			×		RCRA
ddress:						Pho	State, Zip				Attanysis and metho		T			X
hone:	C- 6/16					Emi									State	
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time	ue by:	$\neg$		56.46				Lab	BDG						Remarks.	
Sampled	DateSamp	est.	Matrix	Untime	Sample ID			Number	150						Net 1991 Kill	
5:50	7-28-	22	S	1	CS- 441			1	4							
5.59	1	7	-1	1	CS-44	2		2	1							
6:06					CS.44	3		3								
6 10					CS - 44	4		4								
6:13					CS-44	5		5								
6.18					CS -44	6		6								
16:13					CS -44	7		7								
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Page 10 of 1

Client: EC	)G					Bill To			Lab L	Ise Only		TAT		_	rogram
Project: A	chen Frey Di				1940	tention:		Lab	07a09	Job Number 19034-0009	1D 2D	3D 5	standard	CWA	5DWA
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Time Sampled	Date Sampled	Matrix	Top. of Exercises	Sample II	)		Lab Number	80				$\perp$	-	Remarks	
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16:50				CS-4	153		13								
16:53				C5-L	154		14								
16:5P				CS-	155		15								
17:04				CS-	156		16								
17.08				CS-	1000		17								
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I. Hield sam	pler), attest to the	validity and	authenticit	of this samp	le. Lam puoie d	nat tempering with or intentionally mist	abelling the sample to	cation.		Samples requiring the malign pools of in its an are any temp					led or receive
date or time	of collection is co	insidered fr	out and may	be grounds t	or legit action.	Sampled by: Aboleton:	Sanchez			1					
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Relinquish	ed by: (Signatur	0	Date		Timer	Received by: (Signature)	Date	7737	Time	T1	T2		T3		
Retinquish	ed by: (Signatur	e)	Duli		Time	Received by (Signature)	Date		Time	AVG Temp °C	7				
-	ris: \$ - 5ell, \$4 - 5	District Air		and the state of			Contains	r Tyne	e e - elass es-	poly/plastic, ag - ambe	r glace, v	-VOA			

Chain of Custody

Page 32 of 33

Printed: 8/1/2022 10:33:40AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

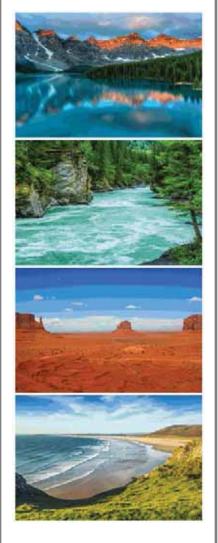
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	07/29/22 1	4:30		Work Order ID:	E207209
Phone:	(575) 748-4217	Date Logged In:	07/29/22 1	5:09		Logged In By:	Caitlin Christian
Email:		Due Date:	08/05/22 1	7:00 (5 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: 1	Kholeton Sanchez	<u>z</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		Yes			Commen	ts/Resolution
	urn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	· •		140				
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	were custody/security seals intact?		No				
		1	NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal							
•	— field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
	Preservation	10	2.7				
	the COC or field labels indicate the samples were pr	eservea?	No				
	ample(s) correctly preserved?	4-1-9	NA				
	filteration required and/or requested for dissolved m	ietais?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract La	b: na		
Client Ir	<u>istruction</u>						
							(3)

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 15:53

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### CS-461 E207210-01

	E20/210-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
ma/ka	ma/ka	Δnals	•	,	Batch: 2232033
		-		08/05/22	Batch. 2232033
		1			
ND	0.0250	1			
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	109 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Analy	vst: IY		Batch: 2232033
ND	20.0	1	08/02/22	08/05/22	
	103 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2232052
ND	25.0	1	08/04/22	08/05/22	
ND	50.0	1	08/04/22	08/05/22	
	92.2 %	50-200	08/04/22	08/05/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2232063
30.3	20.0			08/04/22	
· · · · · ·	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           I09 %         mg/kg           mg/kg         mg/kg           ND         20.0           I03 %         mg/kg           ND         25.0           ND         50.0           92.2 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           103 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           92.2 %         50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: 1Y           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           ND         70-130         08/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/04/22           ND         50.0         1         08/04/22           ND         50.0         1         08/04/22           MD         50.0         1         08/04/22           mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/04/22         08/05/22           ND         50.0         1         08/04/22         08/05/22           ND         50.0         1         08/04/22         08/05/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-462**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Coluene	ND	0.0250	1	08/02/22	08/05/22	
-Xylene	ND	0.0250	1	08/02/22	08/05/22	
,m-Xylene	ND	0.0500	1	08/02/22	08/05/22	
Total Xylenes	ND	0.0250	1	08/02/22	08/05/22	
urrogate: 4-Bromochlorobenzene-PID		109 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2232052
Diesel Range Organics (C10-C28)	ND	50.0	2	08/04/22	08/05/22	
Dil Range Organics (C28-C36)	ND	100	2	08/04/22	08/05/22	
urrogate: n-Nonane		96.6 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2232063
Chloride	136	20.0	1	08/03/22	08/04/22	
hloride	136	20.0	1	08/03/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-463**

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232033
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	110 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2232033
ND	20.0	1	08/02/22	08/05/22	
	105 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2232052
46.8	25.0	1	08/04/22	08/05/22	
90.2	50.0	1	08/04/22	08/05/22	
	107 %	50-200	08/04/22	08/05/22	
		Δnal	yst: RAS		Batch: 2232063
mg/kg	mg/kg	7 Kilai	yst. 1015		Datell. 2232003
	mg/kg  ND ND ND ND ND ND ND ND Mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           II0 %         mg/kg           MD         20.0           I05 %         mg/kg           mg/kg         mg/kg           46.8         25.0           90.2         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         70-130         1           mg/kg         mg/kg         Anal           ND         20.0         1           105 %         70-130         70-130           mg/kg         mg/kg         Anal           46.8         25.0         1           90.2         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           46.8         25.0         1         08/04/22           90.2         50.0         1         08/04/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/02/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: JL           46.8         25.0         1         08/04/22         08/05/22           90.2         50.0         1         08/04/22         08/05/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-464**

		ъ .:				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		107 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2232063
Chloride	230	40.0	2	08/03/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-465**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		85.1 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	Analyst: RAS		Batch: 2232063
	237	20.0		08/03/22	08/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-466**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		98.4 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2232063



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-467**

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2232033
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	110 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2232033
ND	20.0	1	08/02/22	08/05/22	
	104 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2232052
73.4	25.0	1	08/04/22	08/05/22	
185	50.0	1	08/04/22	08/05/22	
	92.0 %	50-200	08/04/22	08/05/22	
mg/kg	mg/kg	Analyst: RAS			Batch: 2232063
397	20.0	1	08/03/22	08/04/22	
	mg/kg ND ND ND ND ND ND ND The state of the	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           II0 %         mg/kg           mg/kg         mg/kg           ND         20.0           104 %         mg/kg           73.4         25.0           185         50.0           92.0 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ar           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         20.0250         1           ND         20.0         1           104 %         70-130           mg/kg         mg/kg         Ar           73.4         25.0         1           185         50.0         1           92.0 %         50-200           mg/kg         mg/kg         Ar	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         mg/kg         Analyst: JL           73.4         25.0         1         08/04/22           185         50.0         1         08/04/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0500         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           ND         0.0250         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY         ND         08/05/22           MD         20.0         1         08/02/22         08/05/22           mg/kg         mg/kg         Analyst: IY         ND         08/05/22           Mg/kg         mg/kg         Analyst: JL         08/05/22           mg/kg         mg/kg         Analyst: JL         08/05/22           mg/kg         50.0         1         08/04/22         08/05/22           mg/kg         mg/kg         Analyst



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-468**

Result	Reporting Limit	Dilution	Duomonod		
Result	Limit	Dilution	Duamana d		
		Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232033
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
ND	0.0500	1	08/02/22	08/05/22	
ND	0.0250	1	08/02/22	08/05/22	
	111 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232033
ND	20.0	1	08/02/22	08/05/22	
	105 %	70-130	08/02/22	08/05/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2232052
ND	25.0	1	08/04/22	08/05/22	
ND	50.0	1	08/04/22	08/05/22	
	109 %	50-200	08/04/22	08/05/22	
	mg/kg Analyst: RAS				
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232063
	ND ND ND ND ND ND ND Mg/kg ND	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250  111 %  mg/kg mg/kg ND 20.0  105 %  mg/kg mg/kg ND 25.0 ND 25.0 ND 50.0	ND	ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0250         1         08/02/22           ND         0.0500         1         08/02/22           ND         0.0250         1         08/02/22           MD         0.0250         1         08/02/22           mg/kg         Mg/gz         Analyst: IY           ND         20.0         1         08/02/22           mg/kg         70-130         08/02/22           mg/kg         Analyst: JL         ND           ND         25.0         1         08/04/22           ND         50.0         1         08/04/22	ND 0.0250 1 08/02/22 08/05/22 ND 0.0500 1 08/02/22 08/05/22 ND 0.0250 1 08/02/22 08/05/22 ND 0.0250 1 08/02/22 08/05/22 ND 0.0250 1 08/02/22 08/05/22  ### Matching of the provided HTML of the provided HTM



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-469**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		119 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	Analyst: RAS		Batch: 2232063
Chloride	1390	40.0	2	08/03/22	08/04/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/8/2022 3:53:59PM

#### **CS-470**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/22	08/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/02/22	08/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		85.8 %	50-200	08/04/22	08/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	Analyst: RAS		Batch: 2232063
Chloride	1270	20.0	1	08/03/22	08/04/22	



Surrogate: 4-Bromochlorobenzene-PID

8.81

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/2022 3:53:59PM

Artesia NM, 88210		Project Number: Project Manager		reg Crabtree					8/8/2022 3:53:59PM		
	Volatile Organics by EPA 8021B										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2232033-BLK1)							Prepared: 0	8/02/22 An	alyzed: 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: 0	8/02/22 An	alyzed: 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: 0	8/02/22 An	alyzed: 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			

8.00

110

70-130



 EOG Resources
 Project Name:
 Achen Frey DM #11
 Reported:

 104 South 4th Street
 Project Number:
 19034-0009

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 8/8/2022
 3:53:59PM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2232033-BLK1)						Prepared: 08	8/02/22	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	8/02/22	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	8/02/22	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			



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/8/2022 3:53:59PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					8/8/2022 3:53:59PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232052-BLK1)							Prepared: 0	8/04/22 An	alyzed: 08/05/22
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.8		50.0		97.6	50-200			
.CS (2232052-BS1)							Prepared: 0	8/04/22 An	alyzed: 08/05/22
tiesel Range Organics (C10-C28)	248	25.0	250		99.3	38-132			
urrogate: n-Nonane	44.0		50.0		87.9	50-200			
Matrix Spike (2232052-MS1)				Source:	E207210-0	01	Prepared: 0	8/04/22 An	alyzed: 08/05/22
tiesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
urrogate: n-Nonane	45.9		50.0		91.9	50-200			
Matrix Spike Dup (2232052-MSD1)				Source:	E207210-0	01	Prepared: 0	8/04/22 An	alyzed: 08/05/22
tiesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	8.00	20	
urrogate: n-Nonane	45.9		50.0		91.7	50-200			

EOG Resources 104 South 4th Street		Project Name: Project Number:		ichen Frey DM 9034-0009	I #11				Reported:
Artesia NM, 88210		Project Manager		reg Crabtree					8/8/2022 3:53:59PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232063-BLK1)							Prepared: 0	8/03/22 A	nalyzed: 08/04/22
Chloride	ND	20.0							
LCS (2232063-BS1)							Prepared: 0	8/03/22 A	nalyzed: 08/04/22
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2232063-MS1)				Source:	E207210-	01	Prepared: 0	8/03/22 A	nalyzed: 08/04/22
Chloride	281	20.0	250	30.3	100	80-120			
Matrix Spike Dup (2232063-MSD1)				Source:	E207210-	01	Prepared: 0	8/03/22 A	nalyzed: 08/04/22
Chloride	285	20.0	250	30.3	102	80-120	1.51	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/08/22 15:53

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.



roject In	formation					:0	ain of Custo	dy							Paj	e II
Vant. SE	VC.					Bill To			Lab L	Jse Only	_		TA	r	EPA P	ogram
	chen Frey DI					ention:		Lab !	MO# 01	Job Number		D 2D	3D	Standard	CWA	5DWA
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7:26	7-28-21	5	1	BS-	461		1	X								
7:20	1	1	1		462		2	1								
7.34				CS-	467		3									
7.16				- 20	464		4									
1:40				CS-	465		5									
7:44				CS- "	166		0									
14:50				cs-			7									
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Printed: 8/1/2022 10:36:56AM

#### **Envirotech Analytical Laboratory**

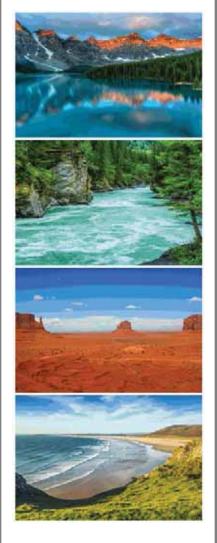
Sample Receipt Checklist (SRC)

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.

:17 E		07/29/22 07/29/22 08/05/22 Yes Yes Yes Yes	15:11 17:00 (5 day TAT)		Work Order ID: Logged In By:	E207210  Caitlin Christian	
match the COC? samples per sampling site location match the of off by client or carrier? lete, i.e., signatures, dates/times, requeste ceived within holding time? sis, such as pH which should be conducted in the	Due Date:	Yes Yes Yes	17:00 (5 day TAT)			Caitiin Christian	
match the COC?  samples per sampling site location match bed off by client or carrier?  lete, i.e., signatures, dates/times, requested within holding time?  sis, such as pH which should be conducted in the conducted of the cond	n the COC	Yes Yes Yes		Tholeton Sanchez			
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samples per sampling site location match bed off by client or carrier? lete, i.e., signatures, dates/times, requeste ceived within holding time? sis, such as pH which should be conducted in the		Yes Yes	Carrier: <u>K</u>	Tholeton Sanchez			
bed off by client or carrier? lete, i.e., signatures, dates/times, requeste ceived within holding time? sis, such as pH which should be conducted in the		Yes	Carrier: <u>K</u>	Tholeton Sanchez			
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te standard TAT, or Expedited TAT?		Yes					
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ved on ice? If yes, the recorded temp is 4°C, i.e al preservation is not required, if samples are r		Yes					
	mperature: 4°0	<u>C</u>					
samples present?		No					
collected in VOA Vials?		NA					
ess than 6-8 mm (pea sized or less)?		NA					
B) included for VOC analyses?		NA					
ples collected in the correct containers?		Yes					
plume/weight or number of sample container	rs collected?	Yes					
labels filled out with the minimum inform	nation:						
. 10							
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ic:		Yes					
ield labels indicate the samples were pres	served?	No					
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-							
laboratory specified by the client and it s	o who?	NA	Subcontract Lab	o: na			
	nal preservation is not required, if samples are rampling ecord the temperature. Actual sample to samples present?  collected in VOA Vials? ess than 6-8 mm (pea sized or less)?  (B) included for VOC analyses? uples collected in the correct containers? colume/weight or number of sample containers.  labels filled out with the minimum informable filled labels indicate the samples were preserved?  quired and/or requested for dissolved metatrix ave more than one phase, i.e., multiphase of the preserved of the phase of the ph	eceived in good condition? eceived intact, i.e., not broken? urity seals present? ly/security seals intact? ved on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C hal preservation is not required, if samples are received w/i 15 ampling ecord the temperature. Actual sample temperature: 4°0 samples present? collected in VOA Vials? ess than 6-8 mm (pea sized or less)? IB) included for VOC analyses? hales collected in the correct containers? colume/weight or number of sample containers collected? labels filled out with the minimum information:  llected? he? field labels indicate the samples were preserved? rectly preserved? quired and/or requested for dissolved metals?  Matrix ave more than one phase, i.e., multiphase? DC specify which phase(s) is to be analyzed?	seceived in good condition?  received intact, i.e., not broken?  rity seals present?  ldy/security seals intact?  ved on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  ral preservation is not required, if samples are received w/i 15  ampling  record the temperature. Actual sample temperature: 4°C  samples present?  collected in VOA Vials?  ress than 6-8 mm (pea sized or less)?  NA  TB) included for VOC analyses?  NA  ruples collected in the correct containers?  ruples collected in the correct containers collected?  Yes  rullabels filled out with the minimum information:  llected?  rue?  Yes  rectly preserved?  ruquired and/or requested for dissolved metals?  No  Matrix  ave more than one phase, i.e., multiphase?  No  OC specify which phase(s) is to be analyzed?  No  TOTY  red to get sent to a subcontract laboratory?  No	eceived in good condition?  Pes eceived intact, i.e., not broken?  Per eceived intact, i.e., not broken?  Pes eceived intact, i.e., not broken?  Pes exity seals present?  Per Per Per Per Per Per Per Per Per Pe	eceived in good condition?  seceived intact, i.e., not broken?  rity seals present?  No  hy/security seals intact?  NA  ved on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  sal preservation is not required, if samples are received w/i 15  ampling  cord the temperature. Actual sample temperature: 4°C  samples present?  No  collected in VOA Vials?  NA  ress than 6-8 mm (pea sized or less)?  NA  rB) included for VOC analyses?  NA  raples collected in the correct containers?  yes  plume/weight or number of sample containers collected?  Yes  labels filled out with the minimum information:  Yes  lected?  ne?  Yes  field labels indicate the samples were preserved?  No  rectly preserved?  No  Matrix  ave more than one phase, i.e., multiphase?  No  OC specify which phase(s) is to be analyzed?  No  retry  red to get sent to a subcontract laboratory?  No	eceived in good condition?  Yes eceived intact, i.e., not broken?  Yes urity seals present?  No by/security seals intact?  NA wed on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  Yes ala preservation is not required, if samples are received w/i 15 ampling ecord the temperature. Actual sample temperature:   **PC  **C  **C  **C  **C  **C  **C  *	eceived in good condition?  eceived intact, i.e., not broken?  yes  rity seals present?  No  ly/security seals intact?  No  ved on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  sal preservation is not required, if samples are received wi 15  ampling  coord the temperature. Actual sample temperature: 4°C  samples present?  No  collected in VOA Vials?  NA  plus collected in the correct containers?  No  plus collected in the correct containers?  yes  collected in the correct containers or yes  collected in the correct containers or yes  collected?  Yes  collected?  Yes  collected?  No  collected?  No  collected in the correct containers?  Yes  collected in the correct containers?  Yes  collected in the correct containers or yes  collected in the correct containers or yes  collected?  No  collected?  Yes  collected?  No  collected in the correct containers?  Yes  collected in the correct containers?  No  collected in the correct containers?  Yes  collected in the correct containers?  No  collected in the correct containers?  Yes  collected in the correct containers?  Yes  collected in the correct containers?  No  collected in the correct containers?  Yes  collected in the correct containers  Yes  collected in the correct containers  Yes  collected in the correct containers  No  collected in the correct containers  No  collected in the correct containers  No  correctly preserved?  No  correc

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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 reguarding 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**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	Reported:
1	104 South 4th Street	Project Number:	19034-0009	Reported:
	Artesia NM, 88210	Project Manager:	Greg Crabtree	08/12/22 09:47

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.



 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 8/12/2022
 9:47:09AM

### CS-471

#### E208046-01 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes mg/kg Analyst: IY Batch: 2233010 Volatile Organic Compounds by EPA 8260B mg/kg 08/08/22 08/10/22 ND 0.0250 Benzene 08/10/22 08/08/22 Ethylbenzene ND 0.0250 1 ND 0.0250 08/08/22 08/10/22 Toluene 1 08/08/22 08/10/22 o-Xylene ND 0.025008/08/22 08/10/22 ND 0.0500 p,m-Xylene 08/08/22 08/10/22 1 Total Xylenes ND 0.0250 08/10/22 08/08/22 Surrogate: Bromofluorobenzene 97.1 % 70-130 08/10/22 99.2 % 70-130 08/08/22 Surrogate: 1,2-Dichloroethane-d4 08/08/22 08/10/22 Surrogate: Toluene-d8 97.3 % 70-130 Analyst: IY Batch: 2233010 mg/kg Nonhalogenated Organics by EPA 8015D - GRO mg/kg ND 20.0 1 08/08/22 08/10/22 Gasoline Range Organics (C6-C10) 08/08/22 08/10/22 Surrogate: Bromofluorobenzene 97.1 % 70-130 Surrogate: 1,2-Dichloroethane-d4 99.2 % 08/08/22 08/10/22 70-130 08/10/22 Surrogate: Toluene-d8 08/08/22 97.3 % 70-130 Analyst: JL mg/kg mg/kg Batch: 2233028 Nonhalogenated Organics by EPA 8015D - DRO/ORO 1 08/09/22 08/09/22 ND 25.0 Diesel Range Organics (C10-C28) 08/09/22 ND 50.0 1 08/09/22 Oil Range Organics (C28-C36) Surrogate: n-Nonane 77.9 % 50-200 08/09/22 08/09/22 mg/kg mg/kg Analyst: RAS Batch: 2233004 Anions by EPA 300.0/9056A

40.0

3970

2

08/08/22

08/09/22

Chloride

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 8/12/2022
 9:47:09AM

#### **CS-472**

#### E208046-02

		Reporting					
Analyte	Result	Limit	Di	lution	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	
Surrogate: Bromofluorobenzene		96.8 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		96.8 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		78.9 %	50-200		08/09/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2233004
	563	20.0		1	08/08/22	08/09/22	

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 8/12/2022
 9:47:09AM

#### **CS-473**

#### E208046-03

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2233010
Benzene	ND	0.0250	1	1	08/08/22	08/10/22	
Ethylbenzene	ND	0.0250	1	1	08/08/22	08/10/22	
Toluene	ND	0.0250	1	1	08/08/22	08/10/22	
o-Xylene	ND	0.0250	1	1	08/08/22	08/10/22	
p,m-Xylene	ND	0.0500	1	1	08/08/22	08/10/22	
Total Xylenes	ND	0.0250	1	l	08/08/22	08/10/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		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	1	08/08/22	08/10/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		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	1	08/09/22	08/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/09/22	08/09/22	
Surrogate: n-Nonane		74.9 %	50-200		08/09/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2233004
	580	20.0			08/08/22	08/09/22	



 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 8/12/2022
 9:47:09AM

#### **CS-474**

#### E208046-04

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		98.0 %	70-130		08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2233010
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/08/22	08/10/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		08/08/22	08/10/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/22	08/10/22	
Surrogate: Toluene-d8		98.0 %	70-130		08/08/22	08/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		76.6 %	50-200		08/09/22	08/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	\S		Batch: 2233004
Chloride	1030	40.0	2		08/08/22	08/09/22	•



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/12/20229:47:09AM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				8/1	2/2022 9:47:09AN
	Vo	olatile Organ	ic Compo	unds by EF	PA 82601	В		F	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2233010-BLK1)						]	Prepared: 0	8/08/22 Anal	yzed: 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: 0	8/08/22 Anal	yzed: 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: 0	8/08/22 Anal	yzed: 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			

0.500

100

70-130



Surrogate: Toluene-d8

0.500

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree8/12/20229:47:09AM

Nonhalogenated	<b>Organics</b>	bv	EPA	8015D -	GRO
Tommarogenatea	O' Sames	$\boldsymbol{\nu}_{J}$		00131	GILO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2233010-BLK1)						Prepared: 0	8/08/22 Analy	zed: 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: 0	8/08/22 Analy	zed: 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: 0	8/08/22 Analy	zed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	8/12/2022 9:47:09AM

RPD	Analyst: JL
DDD	
%	Notes
ed: 08/09/22	Analyzed: 08/09/22
ed: 08/09/22	Analyzed: 08/09/22
ed: 08/09/22	Analyzed: 08/09/22
ed: 08/09/22	Analyzed: 08/09/22
11 20	
	PD Limi 6 % ed: 08/09/22 ed: 08/09/22 ed: 08/09/22



EOG Resources 104 South 4th Street		Project Name: Project Number:		Achen Frey DM 9034-0009	I #11				Reported:
Artesia NM, 88210		Project Manager		Greg Crabtree					8/12/2022 9:47:09AM
		Anions	by EPA	300.0/9056	<b>A</b>				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
					,,,			,,,	110003
Blank (2233004-BLK1)							Prepared: 08	8/08/22 A	nalyzed: 08/09/22
Chloride	ND	20.0							
LCS (2233004-BS1)							Prepared: 08	8/08/22 A	nalyzed: 08/09/22
Chloride	248	20.0	250		99.2	90-110			
LCS Dup (2233004-BSD1)							Prepared: 08	8/08/22 A	nalyzed: 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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	08/12/22 09:47

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

Page \_\_\_\_ of \_\_\_

Client: EC	)G	-3.5				Bill To			15570	Lab U	se On	ly		1		TAT		EPA	Program
	chen Frey Di	M #11			Att	ention:		Lab	WO#		Job 1	lumbe		1D	2D	3D	Standard	CWA	SDWA
	lanager: Greg		e			dress:				2460	19	9034-0	009				×		
Address:					Cit	y, State, Zip	10				Analy	sis and	Metho	d					RCRA
City, State	e, Zip		-0/10/00		Ph	one:					$\Box$								X
Phone:					Em	nail:					1 1	- 1	1					State	
Email: All	Enviro												1						_
to the st	1132							BDGOC	. 1		1 1		1				NM C	UT A	Z TX
Report d	ue by:						1.1-6	12			1 1		1				×		1
Time Sampled	Date Sampled	Matrix .	No. of Containers	Sample ID			Lab Number	BI					_		Ш	_		Remark	(S
13:25	8-2-22	5	1	C5-471			1	X			Ш	_			Ш	_			
15:04	8-2-22	5	1	CS-472			2	X											
(5:06	8-2-22 8-2-22	5	1	CS-423			3	×											
15:08	8-2-22	5	1	C5-474			4	X											
																1			
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_								Ħ			П	$\top$	T			$\top$	1		
Addition	al Instruction	ns:									ш						_	17.2.4	501 <u>-</u>
I, (field sam	oler), attest to the	validity and	authenticity	of this sample. I an	aware th	at tampering with or intentionally mislabel	ling the sample I	ocation,									ed on ice the di		pled or receive
date or time	of collection is co	nsidered fra	ud and may	be grounds for legal	action.	Sampled by: Kholeton San	chez												
	ed by: (Signatus		Date	Time	37	Received by: (Separture)	1 Pate/5/	22	Time	37	Rece	ived or	ice:		b Use	Only	) (2 (9		
Relinquish	ed by: (Signatur	0	Date		-	Received by: (Signature)	Date		Time	-0.	T1			T2			Т3		
Relinquished by: (Signature) Date Time Received by: (Signature)					Received by: (Signature)	Date	Time AVG Temp °C 4												
	rix: S - Soil, Sd - Se	allel Co. Ches	lan A Anus	neur O Othor		1	Containe	r Type	: 2 - 0	lass. p - I				er gla	ss, v - V	/OA			

Chain of Custody

Page 14 of 15

envirotech Inc.

Printed: 8/5/2022 4:35:12PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

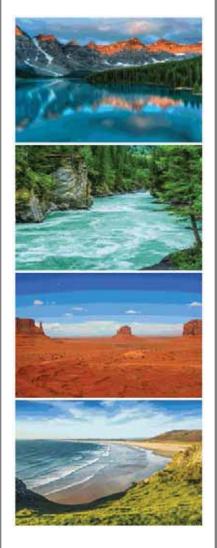
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	08/05/22 1	3:37		Work Order ID:	E208046
Phone:	(575) 748-4217	Date Logged In:	08/05/22 1	4:51		Logged In By:	Caitlin Christian
Email:		Due Date:	08/12/22 1	7:00 (5 day TAT)			
GL :	10. 11. (000)						
	f Custody (COC)		37				
	the sample ID match the COC? The number of samples per sampling site location man	ch the COC	Yes				
	samples dropped off by client or carrier?	on the coc	Yes Yes	Comion VI	alatan Canahaa		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: KI	noleton Sanchez	1	
	all samples received within holding time?	noa anarysos.	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			_		Comment	s/Resolution
	Turn Around Time (TAT)						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C,  Note: Thermal preservation is not required, if samples ar  minutes of sampling  visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>				
Sample	<u>Container</u>	_					
	aqueous VOC samples present?		No				
15. Are	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	s, does the COC specify which phase(s) is to be analy		NA				
	ract Laboratory						
	samples required to get sent to a subcontract laborato	rv?	No				
	a subcontract laboratory specified by the client and it	~		Subcontract Lab:	na		
Client I	nstruction						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	Reported:
-	104 South 4th Street	Project Number:	19034-0009	Reported.
	Artesia NM, 88210	Project Manager:	Greg Crabtree	09/26/22 17:24

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	9/26/2022 5:24:42PM

#### TB @ 25' Sec 1 E209139-01

	E209139-01				
	Reporting	<b>-</b>			
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2240001
ND	0.0250	1	09/26/22	09/26/22	
ND	0.0250	1	09/26/22	09/26/22	
ND	0.0250	1	09/26/22	09/26/22	
ND	0.0250	1	09/26/22	09/26/22	
ND	0.0500	1	09/26/22	09/26/22	
ND	0.0250	1	09/26/22	09/26/22	
	99.7 %	70-130	09/26/22	09/26/22	
	91.6 %	70-130	09/26/22	09/26/22	
	104 %	70-130	09/26/22	09/26/22	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2240001
ND	20.0	1	09/26/22	09/26/22	
	99.7 %	70-130	09/26/22	09/26/22	
	91.6 %	70-130	09/26/22	09/26/22	
	104 %	70-130	09/26/22	09/26/22	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2240003
148	25.0	1	09/26/22	09/26/22	
61.6	50.0	1	09/26/22	09/26/22	
	81.1 %	50-200	09/26/22	09/26/22	
mg/kg	mg/kg	A	nalyst: RAS		Batch: 2240004
	ND 148	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           99.7 %         91.6 %           104 %         99.7 %           91.6 %         104 %           mg/kg         mg/kg           mg/kg         mg/kg           104 %         104 %           mg/kg         50.0	Reporting           Result         Limit         Diluti           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           99.7 %         70-130         70-130           91.6 %         70-130         70-130           99.7 %         70-130         70-130           91.6 %         70-130         70-130           104 %         70-130         70-130           104 %         70-130         70-130           104 %         70-130         70-130           148         25.0         1           61.6         50.0         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09/26/22           ND         0.0250         1         09/26/22           ND         0.0250         1         09/26/22           ND         0.0500         1         09/26/22           ND         0.0250         1         09/26/22           ND         0.0250         1         09/26/22           99.7 %         70-130         09/26/22           91.6 %         70-130         09/26/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         09/26/22           99.7 %         70-130         09/26/22           99.7 %         70-130         09/26/22           104 %         70-130         09/26/22           104 %         70-130         09/26/22           mg/kg         mg/kg         Analyst: JL           148         25.0         1         09/26/22           61.6         50.0         1         09/26/22	Reporting         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09/26/22         09/26/22           ND         0.0250         1         09/26/22         09/26/22           ND         0.0250         1         09/26/22         09/26/22           ND         0.0500         1         09/26/22         09/26/22           ND         0.0250         1         09/26/22         09/26/22           ND         0.0250         1         09/26/22         09/26/22           ND         0.0250         1         09/26/22         09/26/22           99.7 %         70-130         09/26/22         09/26/22           91.6 %         70-130         09/26/22         09/26/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         09/26/22         09/26/22           99.7 %         70-130         09/26/22         09/26/22           99.7 %         70-130         09/26/22         09/26/22           104 %         70-130         09/26/22         09/26/22<

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree9/26/2022 5:24:42PM

#### TB @ 25' Sec 2 E209139-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: Bromofluorobenzene		101 %	70-130	09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		69.7 %	50-200	09/26/22	09/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2240004
Chloride	7520	400	20	09/26/22	09/26/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree9/26/2022 5:24:42PM

#### TB @ 25' Sec 3 E209139-03

Analyte	Result	Reporting Limit	Dilut	tion	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	
Surrogate: Bromofluorobenzene		101 %	70-130		09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130		09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/26/22	09/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130		09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		84.7 %	50-200		09/26/22	09/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2240004
Chloride	4830	100	5		09/26/22	09/26/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree9/26/2022 5:24:42PM

#### TB @ 40' Sec 1 E209139-04

Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Allalyte				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		101 %	70-130	09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2240001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/22	09/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/26/22	09/26/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/26/22	09/26/22	
Surrogate: Toluene-d8		104 %	70-130	09/26/22	09/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		84.1 %	50-200	09/26/22	09/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2240004
Chloride	19400	400	20	09/26/22	09/26/22	



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree9/26/20225:24:42PM

Artesia NM, 88210		Project Manage	r: Gı	eg Crabtree				9/2	26/2022 5:24:42PM
	Vo	olatile Organ	ic Compo	unds by EF	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240001-BLK1)							Prepared: 0	9/26/22 Anal	yzed: 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: 0	9/26/22 Anal	yzed: 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: 0	9/26/22 Anal	yzed: 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			

0.500

107

70-130



Surrogate: Toluene-d8

0.535

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree9/26/20225:24:42PM

Nonhalogenated	<b>Organics</b>	by EPA	8015D -	GRO
			UUIUD	GILO

Ana	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2240001-BLK1)						Prepared: 09	0/26/22 Analyze	ed: 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	0/26/22 Analyze	ed: 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	0/26/22 Analyze	ed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	•
Artesia NM, 88210	Project Manager:	Greg Crabtree	9/26/2022 5:24:42PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				,	0/26/2022 5:24:42PN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240003-BLK1)							Prepared: 0	9/26/22 An	alyzed: 09/26/22
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	40.1		50.0		80.2	50-200			
CS (2240003-BS1)							Prepared: 0	9/26/22 An	alyzed: 09/26/22
riesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
urrogate: n-Nonane	43.2		50.0		86.5	50-200			
Matrix Spike (2240003-MS1)				Source:	E209140-	05	Prepared: 0	9/26/22 An	alyzed: 09/26/22
riesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132			
urrogate: n-Nonane	43.3		50.0		86.5	50-200			
Matrix Spike Dup (2240003-MSD1)				Source:	E209140-	05	Prepared: 0	9/26/22 An	alyzed: 09/26/22
tiesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132	1.21	20	
urrogate: n-Nonane	43.9		50.0		87.9	50-200			

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number Project Manager	: 19	chen Frey DM 9034-0009 reg Crabtree	1#11				<b>Reported:</b> 9/26/2022 5:24:42PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				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 (2240004-BLK1)							Prepared: 09	9/26/22 Ar	nalyzed: 09/26/22
Chloride	ND	20.0							
LCS (2240004-BS1)							Prepared: 09	9/26/22 Ar	nalyzed: 09/26/22
Chloride	249	20.0	250		99.7	90-110			
LCS Dup (2240004-BSD1)							Prepared: 09	9/26/22 Ar	nalyzed: 09/26/22
Chloride	248	20.0	250		99.2	90-110	0.486	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	09/26/22 17:24

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 I	nformation					Chai	n of Custody														Pa	age <u>l</u>	of <u>1</u>
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Project 1	Manager:	Greg Cra	abtree			ddress:		E	20°	113	9	12	34-	000	09	V							
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City, Sta	te, Zip					hone:			1		1	1	١. ا		1				l				1
Phone:	Garcia B. Ha	II C Cook	tues T V	inha	E	mail:		ρ		١.,		1	H&P	8270				l	l	NIN AL C		State	Text
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Time	lue by.						Lab	-18	by 8	ide	8 4	18 60	8	.Voli					1	$\vdash$			
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO, 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	Z.	PCB's					R	Remarks	6
13:43	9/22/2022	5	ı	T13@ 8	5 5cm	. (	1	×		4													
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x date or tim	e of collection is co	onsidered fra	aud and may	be grounds for le	egal action.	Sampled by: Isaac Garcia					2/12/20	110000000		100000000						on ice the d subsequen	0.1000013	are sampl	ed or received
Relinquish	ed by: (Signatur	e) 			ne 14:3		- Pate / 9/23/	22	Time 14.	:3	9	Rece	ived	on ic	ce:		b Us N	e On	nly				1
Relinquish	ed by: (Signatur	e)	Date	Tir	ne	Received by: (Signature)	Date		Time		•	T1				T2	5760			тз			
Relinquish	ed by: (Signatur	e)	Date	Tir	ne	Received by: (Signature)	Date		Time			AVG	Tem	o°C	4	8			HEZ-ST H				
Sample Ma	trix: S - Soil, Sd - So	olld, Sg - Sluc	dge, A - Aque	ous, O - Other _	T = 24		Containe	r Type	e: g - g	glass,	p - po	oly/pl	astic, a	ag - a	mbe	r glas	s, v -	VOA	-				
(2), (2)		100				r arrangements are made. Hazardou n this COC. The liability of the laborato	The state of the s							the c	client	expen	se. T	The re	port f	or the ar	alysis	of the a	bove

Page 14 of 15

envirotech Inc.

Printed: 9/23/2022 2:44:08PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

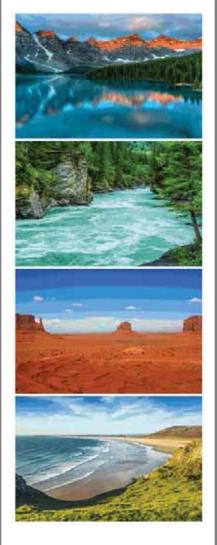
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	09/23/22 14:3	9		Work Order ID:	E209139
Phone:	(575) 748-4217	Date Logged In:	09/23/22 14:4	0		Logged In By:	Caitlin Christian
Email:		Due Date:	09/26/22 17:0	0 (1 day TAT)			
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location mat	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	aac Garcia		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			<b>Comments</b>	s/Resolution
Sample T	Curn Around Time (TAT)			Γ			
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container _		<del>-</del>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	* * * * * * * * * * * * * * * * * * * *						
-	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA Su	bcontract Lab	: na		
Client I	struction						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Envirotech Web Address: www.envirotech-inc.com



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### **Sample Summary**

			· · · · · · · · · · · · · · · · · · ·	
Г	EOG Resources	Project Name:	Achen Frey DM #11	Reported:
1	104 South 4th Street	Project Number:	19034-0007	Reporteu:
	Artesia NM, 88210	Project Manager:	Greg Crabtree	09/29/22 18:04

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0007	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	9/29/2022 6:04:32PM

#### TB @ 32' Sec 2 E209155-01

		E209155-01					
	D 1:	Reporting		.•	D 1		N.
Analyte	Result	Limit	Dili	ution	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	
Surrogate: Bromofluorobenzene		102 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		102 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	<u> </u>	2	09/28/22	09/28/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0007Reported:Artesia NM, 88210Project Manager:Greg Crabtree9/29/2022 6:04:32PM

#### TB @ 30' Sec 3 E209155-02

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		95.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		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	
Surrogate: n-Nonane		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	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0007Reported:Artesia NM, 88210Project Manager:Greg Crabtree9/29/2022 6:04:32PM

#### TB @ 25 Sec 4 E209155-03

		1207133-03				
	D. I	Reporting				N
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		100 %	70-130	09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130	09/28/22	09/28/22	
Surrogate: Toluene-d8		97.3 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	.nalyst: IY		Batch: 2240036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130	09/28/22	09/28/22	
Surrogate: Toluene-d8		97.3 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	.nalyst: 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	
Surrogate: n-Nonane		97.3 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2240066
Chloride	11200	400	20	09/28/22	09/28/22	



EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0007

Artesia NM, 88210 Project Manager: Greg Crabtree 9/29/2022 6:04:32PM

Volatile Organic Compounds by EPA 8260B

Artesia Nivi, 88210		Project Manage	r: Gi	reg Crabiree				912	9/2022 0.04.32F1
Volatile Organic Compounds by EPA 8260B  Analyst: RKS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240036-BLK1)							Prepared: 0	9/27/22 Anal	yzed: 09/28/22
Benzene	ND	0.0250					1		,
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	0.0220	0.500		101	70-130			
			0.500		91.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458					70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	/0-130			
LCS (2240036-BS1)							Prepared: 0	9/27/22 Anal	yzed: 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: 0	9/27/22 Anal	yzed: 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	0.0250	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: 0	9/27/22 Anal	yzed: 09/28/22
	2.24	0.0250	2.50	ND	89.5	48-131	0.336	23	y 200. 0 /1 20122
Benzene	2.41	0.0250	2.50 2.50	ND ND	96.3	45-131	3.34	23 27	
Ethylbenzene	2.41	0.0250		ND ND	96.3 90.4			24	
Toluene		0.0250	2.50			48-130	3.56		
o-Xylene	2.46 4.73	0.0250	2.50 5.00	ND ND	98.3	43-135	2.81 2.85	27 27	
p,m-Xylene	4.73 7.19	0.0500	7.50	ND ND	94.6 95.9	43-135 43-135	2.85	27	
Total Xylenes		0.0250		ND			2.04	41	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.3	70-130			



0.500

99.7

70-130

0.499

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0007Artesia NM, 88210Project Manager:Greg Crabtree9/29/2022 6:04:32PM

Artesia NM, 88210		Project Manage	r: Gr	reg Crabtree				Ģ	9/29/2022 6:04:32PM
	Nor	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240036-BLK1)							Prepared: 0	9/27/22 An	nalyzed: 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: 0	9/27/22 An	nalyzed: 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: 0	9/27/22 An	nalyzed: 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: 0	9/27/22 An	alyzed: 09/28/22
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130	1.06	20	

0.500

0.500

0.500

0.513

0.441

0.500

103

88.2

99.9

70-130

70-130

70-130

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #11 19034-0007	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	9/29/2022 6:04:32PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				9	7/29/2022 6:04:32PN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO		_	Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240039-BLK1)							Prepared: 0	9/28/22 An	alyzed: 09/29/22
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.2		50.0		100	50-200			
CS (2240039-BS1)							Prepared: 0	9/28/22 An	alyzed: 09/29/22
riesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
urrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike (2240039-MS1)				Source:	E209156-0	01	Prepared: 0	9/28/22 An	alyzed: 09/29/22
tiesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
urrogate: n-Nonane	53.8		50.0		108	50-200			
Matrix Spike Dup (2240039-MSD1)				Source:	E209156-0	01	Prepared: 0	9/28/22 An	alyzed: 09/29/22
tiesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132	14.0	20	
urrogate: n-Nonane	58.5		50.0		117	50-200			

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	19	chen Frey DM 9034-0007 reg Crabtree	<b>1</b> #11				<b>Reported:</b> 9/29/2022 6:04:32PM
		Anions	by EPA 3	300.0/90 <b>5</b> 6 <i>A</i>	4				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 (2240066-BLK1)							Prepared: 09	9/28/22 A	nalyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240066-BS1)							Prepared: 09	9/28/22 A	nalyzed: 09/28/22
Chloride	259	20.0	250		104	90-110			
LCS Dup (2240066-BSD1)							Prepared: 09	9/28/22 A	nalyzed: 09/28/22
Chloride	259	20.0	250		104	90-110	0.140	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0007	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	09/29/22 18:04

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 Ir	nformation						Chain	of Custody														Page	of!
Client: C Project: Project N	Acheu Fr	Greg Cra			1 1	Attention:	Bill To		Lab F_	WO:			Job	Num			1D	2D	3D	Sta	andard	EPA CWA	Program
Address: City, Stat Phone:	5			night		City, State, Zip Phone: Email:				Π			Analy	sis ar	nd M						NM CO	State	RCRA X
Report d Time Sampled		Matrix	No. of Containers	Sample ID				Lab Number	DRO,GRO,ORO by	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	RCI	PCB's				X	Remark	
9:04	9/24/2012	15	,	730	72' Sc	c 2		1	<b>X</b>	×	x												
9:42	grupore	5	1	180	30' se	c 3		2	×	×	X												
13:42	quiron	. 3	1	130	25 50	. 4		3	1	ار .	٧												
							V. 100																4
												-											
×	of collection is c				-landania																n ice the day		pled or received
Relinquish	ed by: (Signatur	re)	Date 912		Time 11:17	Received by: (5	-	9.27.	22	Time	//		Rece	ived	on ic	ce:	^	ab Us	e On	ly			
X	ed by: (Signatured by: (Signature	/-	9.	27.22	Time // <sub>6</sub> 30	Received by: (S		9 28 Pate	2	Time	)·C	00	<u>T1</u>			_,	T2				T3		
		002				neceived by: (5)	PuntaieV		T	533333	dace		AVG		_	_	1		VOA			_	
Note: Samp		led 30 days	after result	s are reporte	d unless oth		made. Hazardous s		retur	ned to	client	t or di	spose	d of a						port fo	or the anal	sis of the	above

Printed: 9/28/2022 11:47:51AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

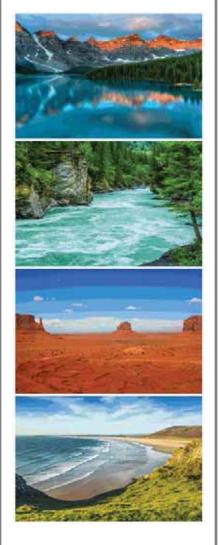
Instructions: Please take note of any NO checkmarks.

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)						
	the sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IDC		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>)1 5</u>		
	ill samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.					Comment	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4 v	<u>~</u>				
	<u>Container</u> queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		icis concetea.	103				
•	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample 1	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborato	ry?	No				
	a subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	o: NA		
	nstruction_						
<u>eneme 1</u>	institution.						

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### CS1 - 6 E210026-01

	E210020-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY	<u>-</u>	Batch: 2241097
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0500	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
	100 %	70-130	10/07/22	10/07/22	
mg/kg	mg/kg	Analyst: IY			Batch: 2241097
ND	20.0	1	10/07/22	10/07/22	
	95.9 %	70-130	10/07/22	10/07/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241096
60.7	25.0	1	10/07/22	10/07/22	
ND	50.0	1	10/07/22	10/07/22	
	112 %	50-200	10/07/22	10/07/22	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2241109
7380	100	5	10/07/22	10/08/22	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 60.7 ND	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           I00 %         mg/kg           mg/kg         mg/kg           ND         20.0           95.9 %         mg/kg           mg/kg         mg/kg           60.7         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         And           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         And           Mg/kg         Mg/kg         And	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           ND         70-130         10/07/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           60.7         25.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           mg/kg         Mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22         10/07/22           ND         0.0250         1         10/07/22         10/07/22           ND         0.0250         1         10/07/22         10/07/22           ND         0.0500         1         10/07/22         10/07/22           ND         0.0250         1         10/07/22         10/07/22           ND         0.0250         1         10/07/22         10/07/22           MD         0.0250         1         10/07/22         10/07/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/07/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/07/22           mg/kg         mg/kg         Analyst: JL         In/07/22         10/07/22         10/07/22           mg/kg         mg/kg         Analyst: JL         10/07/22         10/07/22         10/07/22           mg/kg         mg/kg

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### CS1 - 5

		E210026-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	10/07/22	10/07/22	
o,m-Xylene	ND	0.0500	1	10/07/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/07/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		115 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241109
Chloride	11300	400	20	10/07/22	10/08/22	



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		2210020 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	*	1 11111/ 200	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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		404 %	50-200	10/07/22	10/07/22	S6
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	12000	400	20	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		112 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241109
	9480	400	20	10/07/22	10/08/22	



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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	33.1	20.0	1	10/07/22	10/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	10/07/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		153 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	10200	400	20	10/07/22	10/08/22	



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Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2241097
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
ND	0.0500	1	10/07/22	10/07/22	
ND	0.0250	1	10/07/22	10/07/22	
	105 %	70-130	10/07/22	10/07/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2241097
ND	20.0	1	10/07/22	10/07/22	
	96.5 %	70-130	10/07/22	10/07/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2241096
241	25.0	1	10/07/22	10/07/22	
90.3	50.0	1	10/07/22	10/07/22	
	117 %	50-200	10/07/22	10/07/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2241109
	ND ND ND ND ND ND ND Mg/kg ND mg/kg 241 90.3	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0250           Mg/kg         mg/kg           Mg/kg         mg/kg           Mg/kg         mg/kg           241         25.0           90.3         50.0           117 %	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Analys           ND         20.0         1           96.5 %         70-130           mg/kg         mg/kg         Analys           241         25.0         1           90.3         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           mg/kg         70-130         10/07/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           241         25.0         1         10/07/22           90.3         50.0         1         10/07/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Image: No.



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		2210020 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	-	1 11111/200	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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		118 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241109
Chloride	4640	100	5	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		121 %	50-200	10/07/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2241109
Chloride	4030	100	5	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		129 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241109
·	5330	200	10	10/07/22	10/10/22	•



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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	7870	400	20	10/07/22	10/08/22	



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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	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	
Surrogate: n-Nonane		122 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	9170	400	20	10/07/22	10/08/22	



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		2210020 12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241109
Chloride	2290	40.0	2	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		123 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2241109
Chloride	4150	40.0	2	10/07/22	10/08/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

CS3 - 3

		2210020 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		129 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241109
Chloride	4420	100	5	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

CS3 - 4

		D 4:				
	D 1:	Reporting	D.1	ъ .		NT .
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		126 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2241109
Chloride	4450	100	5	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

**CS3 - 5** 

		2210020 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		134 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	6890	200	10	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### NTW1 - 1 E210026-17

	E210020-17				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2241097
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0500	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
	101 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: IY		Batch: 2241097
ND	20.0	1	10/07/22	10/08/22	
	96.4 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2241096
44.3	25.0	1	10/07/22	10/08/22	
ND	50.0	1	10/07/22	10/08/22	
	108 %	50-200	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2241109
12300	400	20	10/07/22	10/08/22	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 44.3 ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0           96.4 %         mg/kg           mg/kg         mg/kg           44.3         25.0           ND         50.0           108 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           96.4 %         70-130         1           mg/kg         mg/kg         Analy           44.3         25.0         1           ND         50.0         1           108 %         50-200           mg/kg         Mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           44.3         25.0         1         10/07/22           ND         50.0         1         10/07/22           MD         50.0         1         10/07/22           mg/kg         Mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0500         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: JL         44.3         25.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22         10/08/22           MD         50.0         1         10/07/22         10/08/22           MD



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### NTW1 - 2 E210026-18

	E210020-10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2241097
ND	0.0250	1	10/07/22	10/08/22	
0.0970	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
0.208	0.0250	1	10/07/22	10/08/22	
0.386	0.0500	1	10/07/22	10/08/22	
0.594	0.0250	1	10/07/22	10/08/22	
	112 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: IY		Batch: 2241097
ND	20.0	1	10/07/22	10/08/22	
	97.4 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2241096
3140	250	10	10/07/22	10/08/22	
994	500	10	10/07/22	10/08/22	
	134 %	50-200	10/07/22	10/08/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2241109
3830	100	5	10/07/22	10/08/22	
	mg/kg ND 0.0970 ND 0.208 0.386 0.594  mg/kg ND  mg/kg 3140 994	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           0.0970         0.0250           ND         0.0250           0.208         0.0250           0.386         0.0500           0.594         0.0250           112 %           mg/kg         mg/kg           ND         20.0           97.4 %         mg/kg           mg/kg         mg/kg           3140         250           994         500           134 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           0.0970         0.0250         1           ND         0.0250         1           0.208         0.0250         1           0.386         0.0500         1           0.594         0.0250         1           112 % 70-130           mg/kg         mg/kg         Analy           ND         20.0         1           97.4 % 70-130         70-130           mg/kg         mg/kg         Analy           3140         250         10           994         500         10           134 % 50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Mg/kg         Analyst: IY           ND         0.0250         1         10/07/22           0.0970         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           0.208         0.0250         1         10/07/22           0.386         0.0500         1         10/07/22           0.594         0.0250         1         10/07/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           3140         250         10         10/07/22           994         500         10         10/07/22           mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22         10/08/22           0.0970         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           0.208         0.0250         1         10/07/22         10/08/22           0.386         0.0500         1         10/07/22         10/08/22           0.594         0.0250         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: JL         10/08/22           mg/kg         mg/kg         Analyst: JL         10/08/22           3140         250         10         10/07/22         10/08/22           994         500         10         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: RAS



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### NTW1 - 3 E210026-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		109 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2241109
Chloride	6660	200	10	10/07/22	10/08/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 11:53:05AM

#### NTW1 - 4 E210026-20

		E210026-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2241097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		110 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2241109
Chloride	2060	40.0	2	10/07/22	10/08/22	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/11/2022 11:53:05AM

Artesia NM, 88210		Project Manager	: G1	eg Crabtree				10/1	1/2022 11:53:05A
		Analyst: IY							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241097-BLK1)						P	repared: 10	0/07/22 Analy	zed: 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)						P	repared: 10	0/07/22 Analy	zed: 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)						P	repared: 10	0/07/22 Analy	zed: 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	

70-130



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/11/2022 11:53:05AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				10/1	1/2022 11:53:05AM
	Non	halogenated			Analyst: IY				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241097-BLK1)							Prepared: 10	0/07/22 Analy	zed: 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	0/07/22 Analy	zed: 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	0/07/22 Analy	zed: 10/07/22

8.00

70-130

70-130

2.36

51.8

7.75

20.0

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/11/2022 11:53:05AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	0/11/2022 11:53:05A
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241096-BLK1)							Prepared: 1	0/07/22 An	nalyzed: 10/07/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			
LCS (2241096-BS1)							Prepared: 1	0/07/22 An	nalyzed: 10/07/22
Diesel Range Organics (C10-C28)	220	25.0	250		88.1	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2241096-MS1)				Source:	E210026-	12	Prepared: 1	0/07/22 An	nalyzed: 10/07/22
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.8	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike Dup (2241096-MSD1)				Source:	E210026-	12	Prepared: 1	0/07/22 An	nalyzed: 10/07/22
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	1.33	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



Chloride

Chloride

Matrix Spike Dup (2241109-MSD1)

M5

M5

Prepared: 10/07/22 Analyzed: 10/08/22

20

### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		chen Frey DM 9034-0009	<b>1</b> #11				Reported:
Artesia NM, 88210		Project Manager: Greg Crabtree						10/	/11/2022 11:53:05AM
		Anions	by EPA	300.0/9056	4				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 (2241109-BLK1)							Prepared: 1	0/07/22 Ana	alyzed: 10/08/22
Chloride	ND	20.0					-		
LCS (2241109-BS1)							Prepared: 1	0/07/22 Ana	lyzed: 10/08/22
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2241109-MS1)				Source:	E210026-	01	Prepared: 1	0/07/22 Ana	lyzed: 10/08/22

250

250

100

100

7380

7380

NR

NR

Source: E210026-01

80-120

80-120

0.721

11800

11700

#### 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**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	
l	104 South 4th Street	Project Number:	19034-0009	Reported:
	Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/22 11:53

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated 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 I	nformation			Chain o	f Custody													F	Page	of4		
Client: EUG Project: Albert Frey DM #1/ Project Manager: Greg Crabtree Address:						Attention: Address: City, State, Zip			Lab U Lab WO# E 21002 C				Job Number /9034-0009 Analysis and Method				2D	3D		dard		SDWA
City, Star Phone: Email: I. Report of	. Garcia B. Ha lue by:	2012-12-				Phone: Email:	Lab	DRO,GRO,ORO by 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270		s,			N N	_	State UT AZ	
Sampled	Date Sampled	Matrix	Containers	Sample ID	Œ		Number	1.00			VOC	Met	Fello	Sem	<u>8</u>	PCB's	L	L	$\vdash$		Kemark	5
10:58	1018/8022	- 5	ı	CS	1-6		1_	X	X	X								L	4	_		
11:10	10/5/22	5	1	Cs	-5		2	1	1	1							L					
10:17	10/5/22	5	1	C5	-4		3		1	1												
11:24	10/5/22	5	,	CS	1-3		4													33.		
11:35	10/5/22	5	/	01	- 2	14.2.	5															
11:44	10/5/22	5	1	C51	. /		6															
11:54	12/5/22	5	1	CSZ	- 1		7															
12:01	10/5/22	5	1	CSZ	- 2		8															
	105/22	5	1	C52	- 3		9															
eror	10/5/22	5	1	CS2	- 4		10	1	+	7												
x							3 3															
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.						pled or received			
Relinquished by: (Signature) Date Time						Received by Signature Let	Date 10/6	100	Time 7	:21	/	Rec	eived	l on i	ce:	(X	ab U	se Or	nly			
Relinquished by: (Signature) Date Time			Time	Received by: (Signature) Date		Time			T1				T2 T3									
Relinquished by: (Signature) Date Time				Received by: (Signature) Date		Time			AVG Temp °C													
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Slud	ige, A - Aqueo	ous, O - Othe			Containe	r Typ	e: g -	glass,	<b>p</b> - p	oly/p	lastic	, ag -	ambe	er gla	ss, v	VOA				
Note: Sam	ples are discard	ed 30 days	after results	are report	ed unless otl	ner arrangements are made. Hazardous s ith this COC. The liability of the laboratory	amples will b is limited to	e retu the an	rned t	o clier paid f	nt or c	dispos the re	ed of	at the	client	expe	nse.	The re	port for	the analy	sis of the	above

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.1

Project I	nformation					Chair	n of Custody													Page 2	of <u>4</u>
Client: EOG					$ \Gamma$	Bill To			Lab Use Only									TA	AT.	EPA P	rogram
Project: Achen Frey DM # // Project Manager: Greg Crabtree						Attention:										1D	2D	3D	Standard	CWA	SDWA
Project N	/lanager:	Greg Cra	btree			Address:		F2	2100	210		190	W-e	000	?	又				330	0/4/2019
Address						City, State, Zip						Analy	sis ar	nd Me	thod	1					RCRA
City, Sta	re, Zip					Phone:			Т		П	i i									X
Phone:						Email:		2					80	270			1			State	
	Garcia B. Hal	I G. Crab	tree T. Kr	night				8	1 2	0.0	0		/0 H	es 8					NM CO	UT AZ	TX
Report o	ue by:		11. 140. 17.1 140. 140.					ő,	v 80	le 30	826	601	LP w	olitil					24		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample IC	)	30.00	Lab Number	DRO,GRO,ORO by	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	5	PCB's				Remarks	
/2:30	1015/12	_5	1	CS	2.5		11	×	×	X											
13:41	10/5/22	5	,	CS:	3-1		12	1	1	1				0							
13:48	10/5/22	5	1	CS	3 - 2		13	Ц	11	$\coprod$											
13:54	10/5/22	_5	1	Cs:	3 - 3	721	14	Ц	1												
14:04	10/5/22	5	1	C5 3	1-4		15														
14:11	10/5/22	5	1	CST	1.5		16		Ш												
1437	10/5/22	5	1	NTO	w1-1		17														
14:45	10/5/62	5	1	NIU	11-2		18														
	1015/22	5	,	NTU	11-3		19														
15:00	10/5/22	S	1	NTU	1-4		20	1	4	1			-,70								
x																					
x date or time	of collection is co	nsidered fra	aud and may	be grounds f	or legal action	n. Sampled by: Isaac Garcia													ceived on ice the day to 5°C on subsequent da		ed or received
Relinquished by: (Signature) Date Time				Time	Received by: (Signature)	Date	Time			Rece	eived	on i	ce:		Lab Use Only Y/ N						
Relinquished by: (Signature)  Date  Time  10/2/22  77:2					Recoved by Signature	Inte 10/6		Time 17:21		1					Т3						
Relinquished by: (Signature) Date Time					Received by: (Signature)	Date		Time			AVG	Tem	p °C	4					0.00		
Sample Mat	rix: S - Soil, Sd - So	lid, Sg - Slud	ge, A - Aque	ous, O - Othr	er .		Containe	r Typ	e: g -	glass.	<b>p</b> - p					r glas	s, v -	VOA			
Note: Sam	oles are discarde	ed 30 days	after result	s are report	ed unless o	ther arrangements are made. Hazardou	s samples will b	e retu	rned t	o clier	nt or c	dispose	d of a	t the	lient	exper	nse.	The re	port for the analy	sis of the a	bove

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envirotech Inc.

Printed: 10/7/2022 12:02:00PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

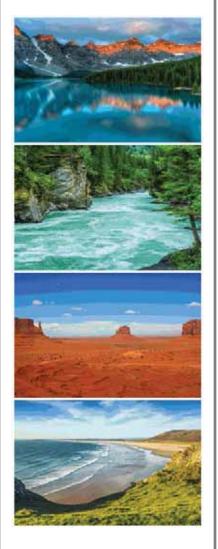
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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 t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	aac Garcia		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disuess		Yes			Comment	s/Resolution
	Furn Around Time (TAT)  e COC indicate standard TAT, or Expedited TAT?		Yes		Workorde	r was split int	o 2 reports due to
Sample (	•		103			<del>-</del>	rders are as follows:
	sample cooler received?		Yes		E210026/J		rders are as follows.
	was cooler received in good condition?		Yes		E210026/1	E210033.	
• •	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
<del>-</del>	, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C  Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
	Container		_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	3?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La							
	field sample labels filled out with the minimum inf	ormation:					
	ample ID?		Yes				
	Pate/Time Collected?		Yes	L			
C	Collectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved i	netals?	No				
	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ase?	No				
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subconti	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	a subcontract laboratory specified by the client and i	if so who?	NA S	Subcontract Lab	: na		
Client I	nstruction						
1							
1							
							()

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/22 09:53

Client Sample ID	Lab Sample ID Matri	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.

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW2 - 1 E210033-01

	E210033-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241115
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0500	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
	102 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241115
ND	20.0	1	10/07/22	10/08/22	
	95.8 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241098
ND	25.0	1	10/07/22	10/08/22	
ND	50.0	1	10/07/22	10/08/22	
	111 %	50-200	10/07/22	10/08/22	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2241108
3350	40.0	2	10/07/22	10/07/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           95.8 %         mg/kg           MD         25.0           ND         50.0           III %           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Ana           ND         20.0         1           95.8 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           111 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           ND         25.8 %         70-130         10/07/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0500         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           MD         0.0250         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IY         ND         20/08/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22         10/08/22           ND         50.0         1         10/07/22         10/08/22           Mg/



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW2 - 2 E210033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		116 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241108
Chloride	4310	100	5	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW2 - 3 E210033-03

		L210055 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		136 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241108
Chloride	995	40.0	2	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW2 - 4 E210033-04

		E210033-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		115 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241108
Chloride	1600	40.0	2	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW3 - 1 E210033-05

	L210055 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
ND	0.0500	1	10/07/22	10/08/22	
ND	0.0250	1	10/07/22	10/08/22	
	99.7 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
ND	20.0	1	10/07/22	10/08/22	
	97.0 %	70-130	10/07/22	10/08/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2241098
ND	25.0	1	10/07/22	10/08/22	
ND	50.0	1	10/07/22	10/08/22	
	111 %	50-200	10/07/22	10/08/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241108
1340	40.0	2	10/07/22	10/07/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           mg/kg         mg/kg           Mg/kg         mg/kg           ND         20.0           97.0 %         mg/kg           ND         25.0           ND         50.0           III %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           99.7 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           97.0 %         70-130         mg/kg           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           111 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Manalyst: IY           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0500         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IV         ND         20.02         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         10/07/22         10/08/22           ND         25.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW3 - 2 E210033-06

		E210033-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resuit	- Emili	Direction	Trepared	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		113 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241108
Chloride	726	20.0	1	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW3 - 3 E210033-07

	E210033-07			E210033-07							
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes						
mg/kg	mg/kg	Analy	st: IY		Batch: 2241115						
ND	0.0250	1	10/07/22	10/08/22							
ND	0.0250	1	10/07/22	10/08/22							
ND	0.0250	1	10/07/22	10/08/22							
ND	0.0250	1	10/07/22	10/08/22							
ND	0.0500	1	10/07/22	10/08/22							
ND	0.0250	1	10/07/22	10/08/22							
	99.0 %	70-130	10/07/22	10/08/22							
mg/kg	mg/kg	Analy	st: IY		Batch: 2241115						
ND	20.0	1	10/07/22	10/08/22							
	96.2 %	70-130	10/07/22	10/08/22							
mg/kg	mg/kg	Analy	st: JL		Batch: 2241098						
ND	25.0	1	10/07/22	10/08/22							
ND	50.0	1	10/07/22	10/08/22							
	112 %	50-200	10/07/22	10/08/22							
mg/kg	mg/kg	Analy	st: RAS		Batch: 2241108						
534	20.0			10/07/22	·						
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           mg/kg         mg/kg           MD         20.0           96.2 %         mg/kg           ND         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           96.2 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           112 %         50-200           mg/kg         Mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0250         1         10/07/22           ND         0.0500         1         10/07/22           ND         0.0250         1         10/07/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         10/07/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           ND         50.0         1         10/07/22           Mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0500         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           ND         0.0250         1         10/07/22         10/08/22           MD         0.0250         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         10/07/22         10/08/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         10/07/22         10/08/22           ND         25.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22           ND         50.0         1         10/07/22         10/08/22						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## NTW3 - 4 E210033-08

E210033-06						
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resuit	- Emili	Ditation	Trepared	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		112 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2241108
Chloride	919	40.0	2	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## ETW 1 E210033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		108 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2241108
Chloride	3720	40.0	2	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## ETW 2 E210033-10

		1210055 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
o,m-Xylene	ND	0.0500	1	10/07/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/07/22	10/08/22	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		113 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2241108
Chloride	7790	400	20	10/07/22	10/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

## ETW 3 E210033-11

		E210033-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241115
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/22	10/08/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	10/07/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		114 %	50-200	10/07/22	10/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2241108
Chloride	3250	40.0	2	10/07/22	10/07/22	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/11/2022 9:53:59AM

Artesia NM, 88210		Project Manager:	G1	reg Crabtree					10/11/2022 9:53:59AM
Volatile Organics by EPA 8021B  Analyst: IY									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241115-BLK1)							Prepared: 1	0/07/22	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	0/07/22	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	0/07/22	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: 1-Chloro-4-fluorobenzene-FID

7.53

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/11/20229:53:59AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				10/1	1/2022 9:53:59AN
Nonhalogenated Organics by EPA 8015D - GRO  Analyst: IY									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	NT .
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241115-BLK1)							Prepared: 1	0/07/22 Analy	zed: 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: 1	0/07/22 Analy	zed: 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: 1	0/07/22 Analy	zed: 10/08/22
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130	14.6	20	

70-130

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/11/20229:53:59AM

Artesia NWI, 88210		Project Manage	r: Gr	eg Crabiree				10/1	.1/2022 9.55.59A
	Nonha	logenated Or	ganics by	EPA 8015I	O - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241098-BLK1)							Prepared: 1	0/07/22 Anal	yzed: 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: 1	0/07/22 Anal	yzed: 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: 1	0/07/22 Anal	yzed: 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: 1	0/07/22 Anal	yzed: 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			



Matrix Spike Dup (2241108-MSD1)

Chloride

## **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number Project Manager	: 1	Achen Frey DM 9034-0009 Greg Crabtree			10	<b>Reported:</b> 0/11/2022 9:53:59AM	
Artesia NWI, 00210		Anions	Analyst: RAS						
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2241108-BLK1)							Prepared: 1	0/07/22 Ana	alyzed: 10/07/22
Chloride LCS (2241108-BS1)	ND	20.0					Prepared: 1	0/07/22 Ana	alyzed: 10/07/22
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2241108-MS1)				Source:	E210028-	01	Prepared: 1	0/07/22 Ana	alyzed: 10/07/22
Chloride	234	200	250	ND	93.8	80-120			

250

200

Source: E210028-01

100

80-120

6.78

#### 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.



Prepared: 10/07/22 Analyzed: 10/07/22

20

## **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	10/11/22 09:53

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.



Address: City, State, Zip Phone: Email: I. Garcia B. Ha Report due by:	Greg Cra	btree		$\neg \tau$			E210033 ac														Page 3 of		
Project: Acker Fr Project Manager: Address: City, State, Zip Phone: Email: I. Garcia B. Ha Report due by:	Greg Cra	btree			Bill To						Use Only						TA	T		EPA P	rogram		
Project Manager: Address: City, State, Zip Phone: Email: I. Garcia B. Ha Report due by:	Greg Cra	btree			tention:	_	Lab	WO#			Job I				1D		3D	Sta	ndard	CWA	SDWA		
City, State, Zip Phone: Email: I. Garcia B. Ha Report due by:		CCC INIGHTORETY STORY								E <del>2100210-</del> 14034-0007 Analysis and Metho											11		
Phone: Email: I. Garcia B. Ha Report due by:				1	ry, State, Zip one:		$\vdash$	1		_	Analy	sis an	d Me	thod	_		_	-		-	RCRA		
Email: I. Garcia B. Ha Report due by:			_		nail:		L				П		2					ŀ		State	X		
Report due by:	II G. Crab	tree T. Kr	night	<u> </u>	1411.		ORO by	۱.,	9	_		o H&	\$ 82					ŀ	NM CO		TXT		
Time						-0.00	0,0	by 8021	300	8260	2010	Jw d	ig		- 1			ı	X				
Sampled Date Sampled	Matrix	No. of Containers	Sample ID	)		Lab Number	DRO,GR 8015	втех ьу	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	D D	PCB's					Remarks			
15:06 10/5/22	5	1	NTO	WZ-1		1	×	×	X				_										
15:12 10/5/22	5	ı	NTU	2-51		2	L	1															
15:19 1015722	5	1	NTW	7-3		3	1																
15:27 10/5/22	5	1		2-4		4																	
15:38 10/5/62	5	1	NTW	3 - (		5																	
15:48 10/5/22	5	1	NTU	13-2	23-1	6																	
15:56 10/5/22	5	1	NTW	3-3		7	Ш	Ш															
16:07 1015/22	5	1	NTU	73-4		8			$\perp$														
16:26 10/5/22	5	,	ETU	ונו		9	Ш	Ш	1														
16:34 1015hz	5	,	ETU	ノマ		10	1	1	+														
×																							
x date or time of collection is o	onsidered fra	aud and may	be grounds fr	or legal action.	Sampled by: Isaac Garcia														ice the day th bsequent day:		d or received		
Relinquished by: (Signatur	re)	Date		Time 17:10	Received by Kignature	Date 10/6/6	2	7.	21		Recei	ved o	on ice	9:	(V)		Only	1					
Relinquished by: (Signature) Date Time					Received by: (Signature)	Date		Time			T1				ربي 2				3				
Relinquished by: (Signature) Date Time				Time	Received by: (Signature)	Date	Date Time			AVG Temp °C 4								- 1	3				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							Туре	: g - g	ass, p	- po	ly/pla	stic, a	g - an	nber	glass	, v - V	/OA						

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Project li	nformation					Chain	of Custody	Nonetta.													Page	_ of _4
								E	210	03	3,	a	-									
Client:	E06			=9	$\neg$	Bill To		T	- 1			se Or						T.	AT		EPA P	rogram
Project:	Acken from Manager:	~ DM	411		- 1	Attention:		Lab	WO#	1		Job	Num	ber	C 71.21.29 (1		2D	3D	Star	ndard	CWA	SDWA
Project N	Manager:	Greg Cra	abtree			Address:		E	2100	24	P	190	34-	000	9	又						
Address			120,000,000	7		City, State, Zip						Analysis and Method										RCRA
City, Sta	te, Zip					Phone:	- 2				П							1				X
Phone:						Email:		à					80	270	1		1	l			State	
	Garcia B. Ha	II G. Crab	tree T. Kr	night	_			8	12	0.0	8		10,	les 8			1	1			UT AZ	TX
Report o	lue by:							ő,	8	e 30	826	109	1 4	oliti			l		<u> </u>	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-Volitiles 8270	BG.	PCB's					Remarks	
14:39	10/5/22	5	1	ETW	3		11	X	X	X												
								Π														
								П									Г	1 8				
						7.25																
									П											-		
		-1/.			70.00			T	П	П											-	
							7 13	Τ														
x																						
x date or tim	e of collection is c	onsidered fra	aud and may	he grounds for	legal actio	n. Sampled by: Isaac Garcia														ce the day t		ed or received
	ned by: (Signatur		Date		Time 17:2	Received by: (Signature)	Date /0/6/	12	Time	21		Rece	eived	on i	re:		ab Us	e On	ily			
Relinquished by: (Signature) Date Time					Received by: (Signature)	Date		Time			T1				T2			т.	3			
Relinquish	ned by: (Signatur	re)	Date	ă.	lime .	Received by: (Signature)	Date		Time			AVG	Tem	n°C	4	,						
Sample Ma	trix: S - Soil, Sd - S	olid Sø - Slov	dee A - Acus	nus O - Othor		E	Containe	r Type	: 0 - 0	lass		- poly/plastic, ag - amber glass, v - VOA										
Note: Sam	ples are discard	ed 30 days	after resul	s are reporte		ther arrangements are made. Hazardous with this COC. The liability of the laboratory	samples will b	e retur	ned to	clien	t or d	ispose	d of a						port for	the analy	sis of the a	bove

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Printed: 10/7/2022 12:02:00PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

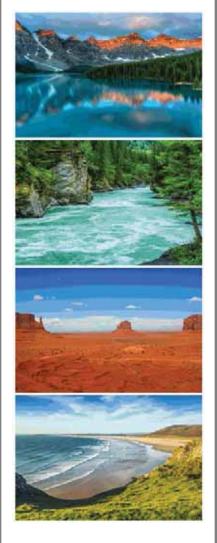
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	10/06/22 17	<i>!</i> :21		Work Order ID:	E210026
Phone:	(575) 748-4217	Date Logged In:	10/06/22 17			Logged In By:	Caitlin Christian
Email:	(3/3)/10 121/	Due Date:		7:00 (1 day TAT)		Bogged in By.	Cuttin Christian
		Due Duic.	10/10/22 1/	100 (1 44)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	saac Garcia		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic					Commen	ts/Resolution
Sample T	urn Around Time (TAT)	т.		ı			
	COC indicate standard TAT, or Expedited TAT?		Yes		Workord	er was split int	to 2 reports due to
Sample C	· •		103			-	rders are as follows:
	sample cooler received?		Yes		_	/E210033.	racis are as follows.
	was cooler received in good condition?		Yes		E210020.	/E210033.	
•	e sample(s) received intact, i.e., not broken?						
	custody/security seals present?		Yes				
	were custody/security seals intact?		No				
•			NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are		Yes				
	minutes of sampling	creceived w/1 15					
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	•			
	reservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix		• • =				
	the sample have more than one phase, i.e., multiphase	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
			11/1				
	act Laboratory  Imples required to get sent to a subcontract laborator	mr?	No				
	subcontract laboratory specified by the client and if	•		Subcontract Lab			
		so who:	INZA Ç	Subcontract Lab	: на		
Client Ir	<u>istruction</u>						
							1

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

_				
Γ	EOG Resources	Project Name:	Achen Frey DM #11	Reported:
ı	104 South 4th Street	Project Number:	19034-0009	Reported.
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

## NT2B1 E210076-01

	E2100/0-01				
Result			n Prenared	Analyzed	Notes
Trebuit			1	111141,204	
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0500	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
	103 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
ND	20.0	1	10/14/22	10/15/22	
	85.8 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2242080
ND	25.0	1	10/14/22	10/17/22	
ND	50.0	1	10/14/22	10/17/22	
	103 %	50-200	10/14/22	10/17/22	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
31.8	20.0	1	10/17/22	10/17/22	
	ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           85.8 %         mg/kg           Mg/kg         mg/kg           ND         25.0           ND         50.0           103 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         An           ND         20.0         1           85.8 %         70-130         70-130           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1           103 %         50-200           mg/kg         mg/kg         An	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0500         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/14/22           ND         50.0         1         10/14/22           ND         50.0         1         10/14/22           ND         50.0         1         10/14/22           ND         50.0         1         10/14/22	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0500         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         25.0         1         10/14/22         10/15/22           ND         25.0         1         10/14/22         10/17/22           ND         50.0         1         10/14/22         10/17/22           ND         50.0         1         10/14/22         10/17/22           ND         50.0         1         10/14/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

#### NT2B2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	28.2	20.0	1	10/17/22	10/17/22	



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#### NT2B3

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2243003
Chloride	144	20.0	1	10/17/22	10/17/22	



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#### NT2B4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
	207	20.0		10/17/22	10/17/22	·



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#### NT2B5

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	916	20.0	1	10/17/22	10/17/22	



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#### NT2B6

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2243003
Chloride	146	20.0	1	10/17/22	10/17/22	·



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#### NT2B7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243003
Allions by EFA 500.0/9030A						



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#### NT2B8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243003
Chloride	76.5	20.0	1	10/17/22	10/17/22	



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#### NT2B9

E21		

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	55.5	20.0	1	10/17/22	10/17/22	



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#### NT2B10 E210076-10

	L210070 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242079
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0500	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
	105 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242079
ND	20.0	1	10/14/22	10/15/22	
	80.1 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2242080
94.7	25.0	1	10/14/22	10/18/22	
127	50.0	1	10/14/22	10/18/22	
	109 %	50-200	10/14/22	10/18/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243003
66.2	20.0	1	10/17/22	10/17/22	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           I05 %         mg/kg           mg/kg         mg/kg           ND         20.0           80.1 %         mg/kg           mg/kg         mg/kg           94.7         25.0           127         50.0           109 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           80.1 %         70-130           mg/kg         mg/kg         Anal           94.7         25.0         1           127         50.0         1           109 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0500         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           mg/kg         Mg/kg         Analyst: RKS           ND         20.0         1         10/14/22           mg/kg         Mg/kg         Analyst: JL           94.7         25.0         1         10/14/22           127         50.0         1         10/14/22           mg/kg         Mg/kg         Analyst: JL         10/14/22	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0500         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: JL           94.7         25.0         1         10/14/22         10/18/22           127         50.0         1         10/14/22         10/18/22           10/18/22         10/18/22         10/18/22         10/18/22



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#### NT2W1

E210076-11							
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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		
p-Xylene	ND	0.0250	1	10/14/22	10/15/22		
o,m-Xylene	ND	0.0500	1	10/14/22	10/15/22		
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22		
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/14/22	10/15/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	10/14/22	10/15/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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		
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003	
Chloride	124	20.0	1	10/17/22	10/17/22		



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#### NT2W2

E210076-12								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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			
o,m-Xylene	ND	0.0500	1	10/14/22	10/16/22			
Total Xylenes	ND	0.0250	1	10/14/22	10/16/22			
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/16/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242079		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/16/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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			
Surrogate: n-Nonane		105 %	50-200	10/14/22	10/17/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243003		
Chloride	244	20.0	1	10/17/22	10/17/22			



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### NT2W3

		E210076-13						
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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			
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/16/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	10/14/22	10/16/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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			
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003		
Chloride	435	20.0	1	10/17/22	10/17/22			



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#### NT3B1

		Domontino				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	785	20.0	1	10/17/22	10/17/22	



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#### NT3B2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.5 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2243003
Chloride	578	20.0	1	10/17/22	10/17/22	



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#### NT3B3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	1690	40.0	2	10/17/22	10/17/22	



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#### NT3B4

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243003
Chloride	1150	20.0	1	10/17/22	10/17/22	



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#### NT3B5

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242079
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		104 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243003
Chloride	767	20.0	1	10/17/22	10/17/22	



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### NT3B6

		E210076-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		107 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2243003
Chloride	52.0	20.0	1	10/17/22	10/17/22	



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### NT3W1 E210076-20

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2242079
ND	0.0250	1	10/14/22	10/16/22	
ND	0.0250	1	10/14/22	10/16/22	
ND	0.0250	1	10/14/22	10/16/22	
ND	0.0250	1	10/14/22	10/16/22	
ND	0.0500	1	10/14/22	10/16/22	
ND	0.0250	1	10/14/22	10/16/22	
	106 %	70-130	10/14/22	10/16/22	
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2242079
ND	20.0	1	10/14/22	10/16/22	
	82.7 %	70-130	10/14/22	10/16/22	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2242080
ND	25.0	1	10/14/22	10/18/22	
ND	50.0	1	10/14/22	10/18/22	
	106 %	50-200	10/14/22	10/18/22	
mg/kg	mg/kg	Analy	yst: RAS		Batch: 2243003
434	20.0	1	10/17/22	10/17/22	
	mg/kg ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         20.0250           Mg/kg         mg/kg           ND         20.0           82.7 %         mg/kg           ND         25.0           ND         50.0           106 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Analy           ND         20.0         1           82.7 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           106 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0500         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/14/22           ND         50.0         1         10/14/22           ND         50.0         1         10/14/22           ND         50.0         1         10/14/22           Mg/kg         Mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22         10/16/22           ND         0.0250         1         10/14/22         10/16/22           ND         0.0250         1         10/14/22         10/16/22           ND         0.0500         1         10/14/22         10/16/22           ND         0.0250         1         10/14/22         10/16/22           ND         0.0250         1         10/14/22         10/16/22           ND         0.0250         1         10/14/22         10/16/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/16/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         10/14/22         10/18/22           ND         25.0         1         10/14/22         10/18/22         10/18/22           ND         50.0         1         10/14/22         10/18/22           ND         50.0         1         10/14/22         10/18/22



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### NT3W2

		E210076-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
o,m-Xylene	ND	0.0500	1	10/14/22	10/17/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/17/22	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243005
Chloride	1090	20.0	1	10/17/22	10/17/22	



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### NT3W3

		E210076-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243005
Chloride	451	20.0	1	10/17/22	10/17/22	



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#### ETB1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		101 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2243005
Chloride	1030	20.0	1	10/17/22	10/17/22	



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#### ETB2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243005
Chloride	187	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

#### ETB3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243005
Chloride	79.1	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

#### ETW1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		107 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243005



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

#### ETW2

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	10/14/22	10/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243005
Chloride	167	20.0	1	10/17/22	10/17/22	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 10/18/2022 3:41:08PM

Artesia NM, 88210		Project Number: Project Manager		eg Crabtree					10/18/2022 3:41:08PM
		Volatile C	Organics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242067-BLK1)						I	Prepared: 1	0/14/22 Aı	nalyzed: 10/14/22
Benzene	ND	0.0250							
thylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
otal Xylenes	ND	0.0250							
urrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			
LCS (2242067-BS1)						I	Prepared: 1	0/14/22 Aı	nalyzed: 10/14/22
Benzene	5.35	0.0250	5.00		107	70-130			
thylbenzene	5.29	0.0250	5.00		106	70-130			
oluene	5.44	0.0250	5.00		109	70-130			
-Xylene	5.42	0.0250	5.00		108	70-130			
,m-Xylene	10.7	0.0500	10.0		107	70-130			
otal Xylenes	16.1	0.0250	15.0		108	70-130			
urrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			
.CS Dup (2242067-BSD1)						I	Prepared: 1	0/14/22 Aı	nalyzed: 10/14/22
Benzene	4.71	0.0250	5.00		94.2	70-130	12.6	20	
thylbenzene	4.64	0.0250	5.00		92.9	70-130	13.1	20	
oluene	4.79	0.0250	5.00		95.7	70-130	12.8	20	
-Xylene	4.76	0.0250	5.00		95.2	70-130	13.0	20	
,m-Xylene	9.41	0.0500	10.0		94.1	70-130	13.0	20	
otal Xylenes	14.2	0.0250	15.0		94.5	70-130	13.0	20	

70-130



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

Artesia NM, 88210		Project Manager:	: G1	reg Crabtree				1	0/18/2022 3:41:08PM
		Volatile O	rganics b	y EPA 802	1B		Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242079-BLK1)							Prepared: 1	0/14/22 An	nalyzed: 10/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 1	0/14/22 An	nalyzed: 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			
o,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: 1	0/14/22 An	nalyzed: 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	
o,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	



# **QC Summary Data**

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					10/18/2022 3:41:08PM	
	Non	halogenated	Organics l	by EPA 801	15D - G	RO		Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2242067-BLK1)							Prepared: 10	0/14/22	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	0/14/22	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	0/14/22	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				



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/18/20223:41:08PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				10/1	8/2022 3:41:08PM
	Non	halogenated		Analyst: RKS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242079-BLK1)							Prepared: 1	0/14/22 Analy	zed: 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: 1	0/14/22 Analy	zed: 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: 1	0/14/22 Analy	zed: 10/15/22

8.00

81.8

82.9

70-130

70-130

5.04

20.0

6.63

# **QC Summary Data**

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					10/18/2022 3:41:08PI
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242064-BLK1)							Prepared: 1	0/14/22 A	nalyzed: 10/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.2		50.0		118	50-200			
LCS (2242064-BS1)							Prepared: 1	0/14/22 A	nalyzed: 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: 1	0/14/22 A	nalyzed: 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: 1	0/14/22 A	nalyzed: 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	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					10/18/2022 3:41:08Pf
	Nonha	logenated Or	ganics by l	EPA 8015I	O - DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242080-BLK1)							Prepared: 1	0/14/22 A	nalyzed: 10/17/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	50-200			
LCS (2242080-BS1)							Prepared: 1	0/14/22 A	nalyzed: 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:	E210076-1	11	Prepared: 1	0/14/22 A	nalyzed: 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:	E210076-1	11	Prepared: 1	0/14/22 A	nalyzed: 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			

Chloride

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:41:08PM

Artesia NM, 88210		Project Manager	r: Gi	eg Crabtree				10/1	8/2022 3:41:08PN
		Anions	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 (2243003-BLK1)							Prepared: 1	0/17/22 Analy	yzed: 10/17/22
Chloride	ND	20.0							
LCS (2243003-BS1)							Prepared: 1	0/17/22 Analy	yzed: 10/17/22
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2243003-MS1)				Source:	E210076-	01	Prepared: 1	0/17/22 Analy	yzed: 10/17/22
Chloride	280	20.0	250	31.8	99.3	80-120			
Matrix Snike Dun (2243003-MSD1)				Source	F210076-	01	Prepared: 1	0/17/22 Analy	zed: 10/17/22

250

97.8

80-120

1.33

20.0



Chloride

### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:	1	Achen Frey DM 9034-0009	I #11				Reported:
Artesia NM, 88210		Project Manager	: (	Greg Crabtree					10/18/2022 3:41:08PM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2243005-BLK1)							Prepared: 1	0/17/22 A	nalyzed: 10/17/22
Chloride	ND	20.0							
LCS (2243005-BS1)							Prepared: 1	0/17/22 A	nalyzed: 10/17/22
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2243005-MS1)				Source:	E210076-2	21	Prepared: 1	0/17/22 A	nalyzed: 10/17/22
Chloride	1430	20.0	250	1090	138	80-120			M2
Matrix Spike Dup (2243005-MSD1)				Source:	E210076-2	21	Prepared: 1	0/17/22 A	nalyzed: 10/17/22

250

20.0

1090

118

80-120

3.47

1380

#### 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	10/18/22 15:41

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 I	nformation						Chain o	f Custody													Pa	age _	_ of _7
Client:	EOG		-	4		Bill 7	То		T:		- 1	ahII	se Or	du		_		-	AT		_	FDA 1	
Project:	Achen	Frex	JM#	I	1	Attention:			Lab	wo				Num	ber	10	20			andaro	+	CWA	Program
Project N	Manager: (7-	rea/Cro	ubtree			Address:			E2	210	371	0	190	34-	0009	X	120	30	30	ariuar	+	CVVA	SUWA
Address:				-		City, State, Zip									nd Meth			_			+		RCRA
City, Stat	te, Zip			-		Phone:		0,000		Т	Т	Г	Г			$\top$	T				-		1.00.00
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Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	1			Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chlaride 300.0							R	emarks	•
14:50	10/13/22	5		NT.	2B1	#2		1	1x	X	X			X									3338
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15:32		S	1	NA	2B10	)		10	+	H	+	-0.00	$\dashv$	$\forall$	+	+	+	$\dashv$	$\dashv$			-	
	al Instruction	is:		101	0.01		· ·	,,	+		41			)]			1		_				-
l, (field samp	ler), attest to the of collection is co	validity and	authenticity o	of this sample e grounds fo	. I am aware	that tampering with or intentional	ally mislabelling		cation				Samples packed i	requiri	ng thermal an avg tem	preservi p above	ation mus	t be rece	eived or	ice the da	y they a	are sample	ed or received
Relinguishe	d by: (Signature	in to	Date	14-2)	13:45	Received by: (Signature)	That	Date /0/14/2	22	Time /3	:4	0				L	ab Us	1.55	of the Lower		00300		
Relinquishe	d by: (Signature	2)	Date		Time	Received by: (Signature)		Date	_	Time				ived (	on ice:	_	) N						
Relinquishe	d by: (Signature	2)	Date		Time	Received by: (Signature)		Date		Time			T1 AVG	Tom	°C	4			_ 2	3	-		
Sample Matr	ix: <b>S</b> - Soil, <b>Sd</b> - So	lid, Sg - Study	ge, A - Aqueo	us, O - Other				Container	Type		lass r	2 - 00	ly/pla	etic :	a amb	or al-	rr w	104	_				
Note: Samp	les are discarde	d 30 days a	fter results	are reporte	d unless oth	ner arrangements are made.	lazardous sam	ples will be	ceturr	ned to	client	or di	noted	of at	the clien	t expe	nse. T	ne ren	ort for	the and	luele e	of the al	nove -
samples is a	pplicable only t	o those sar	nples receiv	ed by the la	boratory w	ith this COC. The liability of the	laboratory is I	limited to the	e amo	ount p	aid for	on th	ne repo	ort.						are are	. 7313 (	or tire at	,0ve



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Project I	nformation					Chai	n of Custody	÷											9	Page 6	of
Client:	EOG					Bill To		Τ:	_	1:	ah H	se Or	alv.		1	-	TAT	_	_	CDA C	
Project:	Achen F	rey [	)M#			Attention:		Lab	WO				Numbe	r	1D	2D T		Stan	dard	CWA	rogram
Project I Address	Manager: 04	ca cro	16 ree			Address:		E	Wo!	270	0	19	034-	0069	X	-	-	Star	uuiu	CVVA	JUVA
City, Sta						City, State, Zip			_	_		Analy	ysis and	Metho	4						RCRA
Phone:	(C, ZID					Phone: Email:		l										╌			X
Email:	All chvir	0.				Elliali.		801	8015						ΙI			ļ.,	14 60	State	Level
Report o	lue by:							O Py	O by	8021	3260	010	300.		H	- 1	- 1	12	WI CO	UT AZ	1X
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					1		Remarks	
15:37	10/13/27	S	1	NT	201		11	X	X	X		-	X			T	1	T	- 1,772	200	
15:40	10/13/22	5	_1	N	2W.		12	1	1	1			1				$\top$	十			
15:43	10/13/22	S	1	NA	-2W	3	13	1										$\top$			G.
15:47	10/3/20	S		NT.	3B1		14			1			1			$\top$	1	7			-
15:51	10/13/22	S	1	NT	3B2		15						1	Т			$\top$	$\top$			
15:55	10/13/122	2	)	M	3 B3	)	10	П		7			$\top$	1		$\top$	1	$\top$			
15:59	16/13/22	S	ı	NT	3B4		17	ITI		1	П		1			$\top$	$\top$	1		_	
16:07	10/3/22	5		M	3B5		18	П	T	7			$\dagger$			7	+	$\top$			
16:06	10/13/22	S	1	M	3B6	)	19		1	71			7	$\top$		1	$^{\dagger}$	$\top$			
16:09	10/13/22	2	1		3W		20	1	1	1			T	П	$\top$	+	+	$^{+}$		14-22	
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l, (field samp date or time	oler), attest to the	validity and a	authenticity and may b	of this sample e grounds for	. I am aware legal action.	that tampering with or intentionally mislabel Sampled by: A FOU	lling the sample lo	cation,				Samples packed i	requiring I	hermal pro	eservation	n must b	e receive	red on ice	e the day th	ry are sample	ed or received
	ed by: (Signature	L 1	Date		13:4	Reseived by: Mispature)	Date,	2	Time	4	_				Lab	Use	Only				
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Relinquishe	d by: (Signature	)	Date	1	ime	Received by: (Signature)	Date		Time		$\neg$	T1			12	-	_	. <u>T3</u>	-		
Sample Matr	ix: S - Soil, Sd - Soi	id. Se - Shudo	e A - Anuec	us O - Other			Cantalana						Temp °								
Note: Samp	les are discarde	d 30 days a	fter results	are reporter	d unless oth	er arrangements are made. Hazardous	Container	roturn	nd to	client	as die		-f-++h	amber	glass,	v - VC	)A				
samples is a	applicable only to	o those san	nples receiv	ed by the la	boratory wi	h this COC. The liability of the laborator	y is limited to th	e amo	unt pa	id for	on th	ne rep	ort.	r chent (	xpense	. ine	repon	t for th	ne analysi	s of the al	oove

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Pro	PCT	Int	OF	ma	tion

#### Chain of Custody

Client:	FOG	er mann fen	N. N. D.		Т	Bill To		_		- 1	ah II	se O	nlv	_		_		TA	,	- FDA D	
Project:	. Achen F	rey DI	N#11	a Crabtra		Attention:		Lab	WO		_			ber		1D 2D 3D Standard				CWA	rogram
Project N	Manager: Fe	A	m rie	a Cuppita	듹	Address:	11 18	E210076				19034-0009			19	×		-	- Conduction Conductio	CIVA	JUVA
Address:		27-12				City, State, Zip								nd M		1					RCRA
City, Stat	te, Zip	_	_		1	Phone:		Г	Т	Т	100	T					П				X
Phone:					1	Email:	100	1	1	1	1	1	1		1	1	ll			State	
Email: E	Tknig	ht Gcrabt	ree Black	Igarcia				12	2	1	1	1	1								ГТ
Report d	ue by:	MIE	nviro	_				2 by 8015	0 by 80	8021	260	1 8	300.0	Table					NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	CO 910.1 Table					XI	Remarks	
					1		Number	ā	5	E	ş	ž	6	8	δ		$\sqcup$			Kemara	100
16:15	10/13/22	S		NT3	W	2	21	X	X	X			X		J.					SOO-mil-poly-rec	4
16:19	10/13/22	S	_1	NT3(	W3	)	22		1	1			1								
16:31	10/13/22	5		ETB	1		23		П									1			
16:36	10/13/22	5	ı	FTR	2		74		T				1					$\dashv$			
16:40	10/13/22	S	1	FTB	2	•	25	$\dagger$	$\parallel$	1								$\neg$			
	10/13/22	S	1	ETW	Ì	-	26	+		+	-		+	Н	Н	Н	$\dashv$	+	+		
1	10/13/22	S	1	ETW:	7		20	H	+	+	-		+	Н	-		$\dashv$	+		-11c	-
16.51	10/13/24	3		LIW.	_			1	1	1			1				_	$\perp$			
					_												_				
Additiona	I Instruction	s:													_						
l, (field sampl	er), attest to the	validity and a	uthenticity	of this sample. I am	action.	that tampering with or intentionally mislabel	ing the sample loo				Į,								ved on ice the day the on subsequent day		ed or received
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												AVG									1
Motor Samuel	x: S - Soil, Sd - Soi	d, Sg - Sludg	e, A - Aqueo	us, O - Other	_		Container	Type	g-g	ass, p	p - pc	ly/pla	stic,	ag - a	mber	glass	, v - V	OA		100	
samples is a	pplicable only to	those sam	ples receiv	ed by the laborat	tory wi	er arrangements are made. Hazardous h this COC. The liability of the laborator	samples will be y is limited to th	eturn e amo	ed to unt pa	client aid for	or dis	posed ne rep	of at ort.	the cl	ent e	xpens	e. The	e repor	t for the analysi	s of the ab	ove

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Printed: 10/14/2022 3:31:18PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

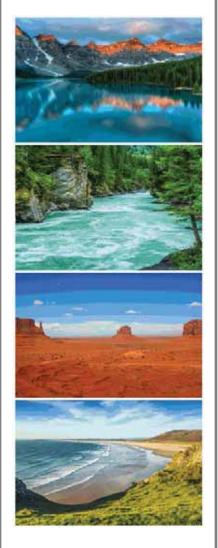
Instructions: Please take note of any NO checkmarks.

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 1	.3:49		Work Order ID:	E210076
Phone:	(575) 748-4217	Date Logged In:	10/14/22 1	4:09		Logged In By:	Caitlin Christian
Email:		Due Date:	10/14/22 1	17:00 (1 day TAT)			
	Custody (COC)						
	he sample ID match the COC?	1.4. 606	Yes				
	he number of samples per sampling site location mat	cn the COC	Yes				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: A	<u>Austin Foutz</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
	Furn Around Time (TAT)  e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container	temperature. 4 c	≟				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal			165				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	Pate/Time Collected?		Yes				
C	Collectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborato	ry?	No				
29. Was a	a subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lal	b: na		
Client I	<u>nstruction</u>						
L							
							(3)

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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: 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 reguarding 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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labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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### **Sample Summary**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	Danautada
ı	104 South 4th Street	Project Number:	19034-0009	Reported:
	Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



Chloride

# Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

#### ST3B1 E210075-01

		E2100/5-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: 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	
Surrogate: n-Nonane		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: RAS		Batch: 2243002

40.0

3000

10/17/22

10/17/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

#### ST3B2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243002
Chloride	96.4	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

#### ST3B3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		103 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243002



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#### ST3B4

		D				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
Chloride	2690	40.0	2	10/17/22	10/17/22	



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#### ST3B5

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
Chloride	378	40.0	2	10/17/22	10/17/22	



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### ST3W1

		E210075-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		107 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243002
Chloride	2690	40.0	2	10/17/22	10/17/22	



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### ST3W2

		E210075-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		105 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2243002
Chloride	2960	40.0	2	10/17/22	10/17/22	



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### ST3W3

		E210075-08						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	yst: 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			
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242078		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	10/14/22	10/15/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: 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			
Surrogate: n-Nonane		102 %	50-200	10/14/22	10/17/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: RAS		Batch: 2243002		
Chloride	2710	40.0	2	10/17/22	10/17/22			



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### NT1B1

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243002
Chloride	ND	20.0	1	10/17/22	10/17/22	



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### NT1B2

		D 4				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: RKS	7 mary 20a	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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
Chloride	326	20.0	1	10/17/22	10/17/22	



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### NT1B3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		108 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
	796	20.0		10/17/22	10/17/22	



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#### NT1B4

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		104 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243002
	369	20.0	1	10/17/22	10/17/22	



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### NT1B5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243002
Chloride	567	20.0	1	10/17/22	10/17/22	•



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#### NT1B6

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.8 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
	1120	20.0		10/17/22	10/17/22	



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### NT1B7 E210075-15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		111 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243002
Chloride	1580	40.0	2	10/17/22	10/17/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

#### NT1B8

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		113 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243002
Chloride	1910	40.0	2	10/17/22	10/17/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

#### NT1B9

		ъ.				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2243002
	221	20.0		10/17/22	10/17/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

### NT1W1

		E210075-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
p-Xylene	ND	0.0250	1	10/14/22	10/15/22	
o,m-Xylene	ND	0.0500	1	10/14/22	10/15/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/15/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		113 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243002
Chloride	119	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

### NT1W2 E210075-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		114 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243002
Chloride	221	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

### NT1W3

		E210075-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2242078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2243002
Chloride	733	20.0	1	10/17/22	10/17/22	·



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	·
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:33:58PM

Artesia NM, 88210		Project Number: Project Manager:		reg Crabtree				1	0/18/2022 3:33:58PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242078-BLK1)						F	Prepared: 10	0/14/22 An	alyzed: 10/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			
LCS (2242078-BS1)						F	Prepared: 10	0/14/22 An	alyzed: 10/15/22
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.04	0.0250	5.00		80.9	70-130			
Foluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.11	0.0250	5.00		82.2	70-130			
o,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)						F	Prepared: 10	0/14/22 An	alyzed: 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	
Foluene	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	
o,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	



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/18/20223:33:58PM

Artesia NM, 88210		Project Manage	r: Gr	reg Crabtree				10/1	8/2022 3:33:58PM					
	Nonhalogenated Organics by EPA 8015D - GRO  Analyst: RKS													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit						
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes					
Blank (2242078-BLK1)							Prepared: 1	0/14/22 Analy	zed: 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: 1	0/14/22 Analy	zed: 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	0/14/22 Analy	zed: 10/15/22					

8.00

74.0

84.9

70-130

70-130

14.3

20

20.0

6.79

### **QC Summary Data**

 EOG Resources
 Project Name:
 Achen Frey DM #11
 Reported:

 104 South 4th Street
 Project Number:
 19034-0009

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 10/18/2022
 3:33:58PM

Artesia NWI, 88210		Project Manager	. GI	eg Crabiree				1	0/16/2022 3.33.36F1
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242081-BLK1)							Prepared: 1	0/14/22 An	nalyzed: 10/17/22
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.1		50.0		92.3	50-200			
CS (2242081-BS1)							Prepared: 1	0/14/22 An	alyzed: 10/17/22
iesel Range Organics (C10-C28)	214	25.0	250		85.5	38-132			
urrogate: n-Nonane	50.0		50.0		100	50-200			
Matrix Spike (2242081-MS1)				Source:	E210075-1	13	Prepared: 1	0/14/22 An	alyzed: 10/17/22
iesel Range Organics (C10-C28)	220	25.0	250	ND	87.9	38-132			
urrogate: n-Nonane	49.2		50.0		98.3	50-200			
Matrix Spike Dup (2242081-MSD1)				Source:	E210075-1	13	Prepared: 1	0/14/22 An	nalyzed: 10/17/22
iesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	9.75	20	

Chloride

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager:	19	chen Frey DM 9034-0009 reg Crabtree	I #11			<b>Reported:</b> 10/18/2022 3:33:58PM	
		Anions		Analyst: RAS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2243002-BLK1)							Prepared: 1	0/17/22 Aı	nalyzed: 10/17/22
Chloride	ND	20.0							
LCS (2243002-BS1)							Prepared: 10	0/17/22 Aı	nalyzed: 10/17/22
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2243002-MS1)				Source:	E210075-0	)1	Prepared: 10	0/17/22 Aı	nalyzed: 10/17/22
Chloride	3180	40.0	250	3000	72.9	80-120			M2
Matrix Spike Dup (2243002-MSD1)				Source:	E210075-0	01	Prepared: 10	0/17/22 A <sub>1</sub>	nalvzed: 10/17/22

250

40.0

80-120

238

#### 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	10/18/22 15:33

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 I	nformation					Cha	ain of Custody												1	Page <u>S</u>	of 7
Client:	FOG					Bill To		1		- 1	ah I	lse O	nlv	er e	_		TAT	Ŧ		FDA	
Project:	Achen I Manager: G	rey s	M#11			Attention:		Lab	wo				Nun	ber	10	Izn I		Stand	dard	CWA	Program
Project N	Manager: G	red Cm	otree			Address:	COLUMN 185	E	E210075					1-0009	X	-	30	Stape	Colu	CVVM	SUVVA
Address						City, State, Zip					27.0—E			nd Metho		1837	_	T	,		RCRA
City, Star Phone:	te, Zip					Phone:															
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Report d					- 1			5	648	120	9	9	00.0		1			N	и со	UT A	Y TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			: Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				- 8	$\vdash$		Remark	<u> </u>
11:40	10-13-22	5	1	ST	BI		11	X	V	χ̈́	>	5	X		H	$\forall$	1	+			
	10-13-22	5	1	513	R2		7	1	Ti	1		T	î			$\forall$		$\top$			
11:51	10-13-22	S	1	ST3	B3		3	11	1	IT		Г	1	$\vdash$	П	$\forall$	1	+	_		
11:56	10-13-02	S	1	ST	3 B 4		4	IT	1				1		Ħ		+	+			
12:01	10-13-20	S		ST	3 BS	)	5	1	$\parallel$	I		П			П	$\forall$	1	+			
12:04	10-13-22	S		ST3	WI		(0	IT	$\parallel$				$\parallel$		П		$\dagger$	$\top$			
12:08	10000	S	1	ST3	Wa	,	7	1													
12:13	10-13-22	S	j	ST3	SW	3	8			T					П		+				
13:38	10-13-52			NTI	BI	8	9			T					П	$\top$	1				
13:44	10-13-22	S	1	NT	B2		10	1	1	1					П		+				
Addition	al Instruction	ns:	0 10000						_			30	+								
l, (field samp date or time	oler), attest to the	validity and a	authenticity and may b	of this sample se grounds for	. I am awar	e that tampering with or intentionally mislab . Sampled by: # Fou	pelling the sample lo	cation				Sample packed	s requir	ing thermal p	reservation	on must b	e receive	ed on ice	the day the	ry are samp	ed or received
1	d by: (Signature	2 de	Date //	14-72	13:41	Received by (Gianatural)	Date /	27	Time	14	9			on ice:		b Use	Valla Salas	ALC: NO THE REAL PROPERTY.			
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Sample Matr	ix: S - Soil, Sd - So	lid, Sg - Slude	e, A - Agueo	us. O - Other			Container	Tuno		lace .		AVG	rem	p C	_						
Note: Samp	les are discarde	d 30 days a	fter results	are reporte	d unless ot	her arrangements are made. Hazardou	is samples will be	return	ned to	client	ordi	ennead	d of at	the client	glass	, v - VC	JA	et facts		/	
samples is a	applicable only	to those san	nples receiv	ed by the la	boratory v	with this COC. The liability of the laborate	ory is limited to the	e amo	ount p	aid fo	r on t	he rep	ort.	circlit	CAPCIIS	- ine	repor	C AUT UNE	e anaiysi	s or the a	ouve

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Project I	nformation	Cha	in of Custody												Page 4	_ of _ 7				
Client:	EOG					Bill To		1		1.	ah II	se Or	he		_		TAT		504.0	
Project:	Achen Fr	cv D	M#1			Attention:		Lab	WO						1D	2n T		Standard	CWA	rogram
Project N	Manager: (7)	e'a Cra	bree		- 1	Address:		EZIO 15			5	19034-0009			X	20	30 .	canuaru	CVVA	SUVVA
Address		0				City, State, Zip							sis an	d Metho		_				RCRA
City, Stat	te, Zip					Phone:						П			Ť		$\neg$			X
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	All Envi	10.			- 1 - 1			34 80	94 80	12		١.	9.0					NM CO	UT AZ	TX
Report d	ue by:		1	-				ê	Š.	y 80	826	601	e 30	- 1	1 1			7		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		<u> </u>	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Remarks	
13:50	10-13-22	S		NT	1B3		_ l	X	X	X			X							
13:53		S	1	NT	B4		12	1	1				1							
13:55		S		NTI	B5	150	13	$\prod$		IT			1							
13:57		S	1	NTI	B6		14			T			1							
14:00		2	1	NTI	B7		15			T			$\prod$							
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14:20	$, \perp$	S		TVT	1413	NO.	20		T			П	Ħ		П	7	$\top$			
Addition	al Instruction	ns:			- 10-					-			1						-118	
	ler), attest to the of collection is co					that tampering with or intentionally mislabe Sampled by: A - FO	elling the sample lo	cation,										on ice the day the subsequent day		d or received
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Sample Matr	ix: S - Soil, Sd - Soi	lid, Sg - Sluda	ge, A - Aqueo	us, O - Other	er * 19		Container	Type	9-0	lass i					r alace	W - \W	24	-		
Note: Samp	les are discarde	d 30 days a	fter results	are reported	d unless oth	er arrangements are made. Hazardou	s samples will be	return	ed to	client	or di	sposed	ofat	the client	expens	e The	renor	for the analys	is of the at	20110
samples is	applicable only t	o those san	nples receiv	ed by the la	boratory w	th this COC. The liability of the laborato	ry is limited to th	e amo	unt p	aid for	or di	sposed he rep	of at ort.	the client	expens	e. The	report	for the analys	is of the at	oove

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envirotech Inc.

Printed: 10/14/2022 3:26:08PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

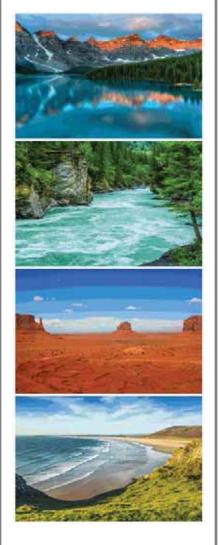
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Date Langued for 1973-9784-1217  Chain of Contects (COC)  1. Does the cample ID match the COC? 2. Does the number of samples are particularly sale location match the COC 3. Were sampled dropped off by client or contrie? 3. Were a maples of samples are particularly sale location match the COC 3. Were a feed for samples and samples contributed as the samples and samples of samples are particularly sales and samples and samples are contributed as the samples of samples are samples of samples and samples and samples are samples of samples and samples of samples and samples of samples are samples of samples and sampl	Client:	EOG Resources	Date Received:	10/13/22 1	3:49		Work Order ID:	E210075
Claim of Costody (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the CUC 2. Does the number of samples per sampling site location match the CUC 3. Were study of the property of 10 by claim or carrier? 4. Wes the COC complete, i.e., signutures, dates times, requested analyses? 5. Were all anaples credered within bodied the conduced in the field. 2. It 5. Trained bodied times, are included in the field. 3. It 5. Stander credered within bodied the conduced in the field. 3. It 5. Stander stander ITAT, or Expedited 7AT? 5. Were all anaples confer received in good condition? 5. Was a sample confer received in good condition? 5. Was the sample's received intact, i.e., not broken? 6. Were the causedy/security seals present? 6. Were causedy/security seals present? 7. Was a the sample received in the field. 7. Were the sample more received in some conference of the field in the f	Phone:	(575) 748-4217	Date Logged In:	10/14/22 1	4:00		Logged In By:	Caitlin Christian
Lobes the sample (D march the COC)  3. Were samples deepped off by client or carrier?  4. Was the COC complete, i.e., signatures, detections, requested analyses?  4. Was the COC complete, i.e., signatures, detections, requested analyses?  5. Were all samples received within boding more!  6. Were all samples received within boding more!  6. Were all samples received within boding more!  7. Were all samples received within boding more!  7. Were all samples received within boding more!  7. Were all samples received within boding more!  8. If yes, was could received may be a sample cooler received?  7. Were a sample cooler received in good condition?  8. If yes, was couldy received insert, i.e., not broken?  9. Were the sample received one in the properties is sampled.  1. If yes, were causedy/security seals inster?  1. Were the sample received one in the properties is to property if samples are received with in minutes of sampling.  13. If no visible ice, received the tempt at Y., i.e., 6*2*C  New: The major preservation is to property if samples are received with a minute of sample one of samples.  13. If no visible ice, received the tempt at Y., i.e., 6*2*C  New: The constitute.  14. Are supposed to Work analyses?  15. Are WOC samples collected in WOA Viale?  16. Is the head space sets than 6.5 mm peas sized or testy?  17. Were a traj blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. It is the more than the correct containers?  19. It is the more than one pease is, i.e., i.e., multiplaner?  20. Were field attach with the minimum information.  8 maple ID?  21. Desire the COC or field bleds indicate the samples were preserved?  22. Are samples; or correctly preserved?  23. Are samples; or correctly preserved?  24. I	Email:		Due Date:	10/14/22 1	7:00 (1 day TAT)			
Lobes the sample (D march the COC)  3. Were samples deepped off by client or carrier?  4. Was the COC complete, i.e., signatures, detections, requested analyses?  4. Was the COC complete, i.e., signatures, detections, requested analyses?  5. Were all samples received within boding more!  6. Were all samples received within boding more!  6. Were all samples received within boding more!  7. Were all samples received within boding more!  7. Were all samples received within boding more!  7. Were all samples received within boding more!  8. If yes, was could received may be a sample cooler received?  7. Were a sample cooler received in good condition?  8. If yes, was couldy received insert, i.e., not broken?  9. Were the sample received one in the properties is sampled.  1. If yes, were causedy/security seals inster?  1. Were the sample received one in the properties is to property if samples are received with in minutes of sampling.  13. If no visible ice, received the tempt at Y., i.e., 6*2*C  New: The major preservation is to property if samples are received with a minute of sample one of samples.  13. If no visible ice, received the tempt at Y., i.e., 6*2*C  New: The constitute.  14. Are supposed to Work analyses?  15. Are WOC samples collected in WOA Viale?  16. Is the head space sets than 6.5 mm peas sized or testy?  17. Were a traj blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. Is the appropriate work unlawveight or manber of sample containers collected?  19. It is the more than the correct containers?  19. It is the more than one pease is, i.e., i.e., multiplaner?  20. Were field attach with the minimum information.  8 maple ID?  21. Desire the COC or field bleds indicate the samples were preserved?  22. Are samples; or correctly preserved?  23. Are samples; or correctly preserved?  24. I	Chain at	Courted (COC)						
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5. Were all samples received within holding time? Note An-explosis, such as play histoch abouth be combined in the field, i.e. 15 minute hold time, are not included in this dissession.  Sample Turn's Around Time (TAT)  6. Did the COC indicate standard TAT, or Expedited TAT?  7. Was a sample cooler received in good condition?  7. Was a sample cooler received in good condition?  8. If yes, was cooler received in good condition?  9. Wes the sample's preceived intact, i.e., not broken?  10. Were custody/security seals present?  10. Were custody/security seals present?  11. If yes, were custody/security seals intact?  12. Was the sample received on ice? if yes, the recorded tamp is 4°C, i.e., 6°±2°C  Note: Thermal preservation is not required if anuples are received wil 15  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container.  14. Are aqueous VOC samples collected in VOA Valis?  16. Is the head space less than 6°-8 mm (pea sized or less)?  17. Was at ris blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information.  Sample 1D?  Date Time Collected?  Collectors sample?  10. The second or required and or expessed for dissolved metals?  No  10. Samples collected in one op plase, i.e., multiplases?  No  21. If yes, does the COC specify which phase(s) is to be analyzed?  No  22. Are samples required to get sent to a subcontract laboratory?  23. Was an subcontract Laboratory specified by the client and if so who?  No  24. Subcontract Laboratory.  25. Was a subcontract Laboratory specified by the client and if so who?  No  26. Subcontract Laboratory specified			sted analyses?		Carrier:	Austin Foutz		
Note: Analysis, such a splf which should be conducted in the fields. is, 15 minus bold time, are or included in this discussions.  Sample Trun Around Time (TAT)  8. If yes, was cooler received?  9. Was the sample cooler received in good condition?  9. Was the sample by received intent, i.e., not broken?  10. Were cutted/yeacurity seals intace?  10. Were cutted/yeacurity seals intace?  11. If yes, were custed/yeacurity seals intace?  12. Was a temple received one? If yes, the recorded crap is 4°C, i.e., 6° 2°C  Note: Transal preservation is not requised, if samples are received wil 15 minutes of samples present?  13. If no visible i.e., record the temperature. Actual sample temperature: 4°C  Sample Container.  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vals?  16. Is the head space less than 4-8 min (rea sized to less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/whigh to rounther of sample containers ollected?  19. Less person the container.  19. Less person the container.  10. Dec. the COC or field labels indicate the samples were preserved?  21. Less the COC or field labels indicate the samples were preserved?  22. Less pandle? Our correct preserved?  23. Less pandle? Correct preserved?  24. Is lab filteration required and/or requested for dissolved metals?  25. Are sampled covered! preserved?  26. Less the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  28. Are sampled phase required to get sent to a subcontract laboratory?  29. Was a subcontract Laboratory.  29. Was a subcontract Laboratory.  20. Was a subcontract Laboratory specified by the client and if so who?  11. If yes, the condition of the correct container the condition of the correct containers of the correct container			stea analyses.					
6. Did the COC indicate standard TAT, or Expedited TAT?  Sample Cooler received?  7. Was a sample cooler received?  8. If yes, was cooler received?  9. Was the samples preceived intact, i.e., not broken?  10. Were custody/security seals intact?  11. If yes, were custody/security seals intact?  12. Was the samples preceived in item of the contract of samples are received win 15 minutes of sampling  13. If no visible ite, record the temperature. Actual sample temperature 4°C  Sample Contained.  14. Are aqueous VOC samples present?  15. are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information.  Sample Dressration  21. Does the Sample Martix  22. Loss the COC or field labels indicate the samples were preserved?  23. Are sampled, correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No. MALIDIANE Sample Martix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract Laboratory specified by the client and if so who?  No. Subcontract Lab: na  Vestor Laboratory  29. Was a subcontract Laboratory specified by the client and if so who?  No. Subcontract Lab: na	5. West 6	Note: Analysis, such as pH which should be conducted in		100			Comment	s/Resolution
Sample Conter 7. Was a sample cooler received? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on its received from its 4°C, i.e., 6°-2°C Note. Terman preservation is not required, if samples are received will 5° minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aquecua VOC samples present? 14. Are aquecua VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the bead space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Sample Treaser vation 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is high filtention required and/or requested for dissolved metals? 25. Sample Preservation 26. Does the COC or field labels indicate the samples were preserved? 26. No Multiphase Sample have more than one phase, i.e., multiphase? 27. If yes, does the COC perify which phase(s) is to be analyzed? 28. Are sample have more than one phase, i.e., multiphase? 29. Was a subcontract laboratory 29. Was a subcontract laboratory 29. Was a subcontract laboratory specified by the client and if so who? 29. Was a subcontract Laboratory specified by the client and if so who? 21. If yes, does the COC perify which phase(s) is to be analyzed? 30. No Multiphase Sample have more than one phase, i.e., multiphase? 31. No Multiphase Sample have more than one phase i.e., multiphase? 32. Was a subcontract laboratory specified by the client and if so who? 33. Are samples required to get sent to a subcontract laboratory? 34. Subcontract Laboratory specified by the client and if so who? 35. Marchael Sample have more than one phase i.e., multiphase? 36. No Multiphase Sample have m	Sample 7	<u> Furn Around Time (TAT)</u>						
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11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Not: Thermal preservation is not required in samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature: 4°C  Sample Container 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the paraphrate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Naters. 25. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the client and if so who? No Subcontract Laboratory 29. Was a subcontract laboratory specified by the client and if so who? No Subcontract Laboratory 29. Was a subcontract laboratory specified by the client and if so who? No Subcontract Laboratory 20. Was a subcontract laboratory specified by the client and if so who? No Subcontract Laboratory 20. Was a subcontract laboratory specified by the client and if so who? No Subcontract Laboratory 20. Was a subcontract laboratory specified by the client and if so who?	9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
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	Client I	<u>nstruction</u>						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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Raina Schwanz

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### **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/22 15:27

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### St1B1 E210074-01

		1210074 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
o,m-Xylene	ND	0.0500	1	10/14/22	10/14/22	
Total Xylenes	ND	0.0250	1	10/14/22	10/14/22	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		117 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2243001
Chloride	2040	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B2

E21	00	74-	-02
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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243001
Chloride	392	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B3

#### E210074-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		117 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243001
·	1090	20.0	1	10/17/22	10/17/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.7 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243001
Chloride	937	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		101 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243001
	56.9	20.0		10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B6

		Damati				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243001
Chloride	212	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		111 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2243001
Chloride	99.6	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B8

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243001
Chloride	155	20.0	1	10/17/22	10/17/22	



Chloride

### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### St1B9

E210074-09						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243001

20.0

68.2

10/17/22

10/17/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### St1W1

E21	007	4-10

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		107 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243001
Chloride	924	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### ST1W2

E210074-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.5 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243001
Chloride	217	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### ST1W3 E210074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		110 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243001
Chloride	493	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### ST2B1

E210074-13
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		112 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2243001
Chloride	516	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### ST2B2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2243001
		20.0		10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### ST2B3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		115 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2243001
Chloride	681	20.0	1	10/17/22	10/17/22	_



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### ST2B4

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2243001
Chloride	303	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### ST2B5

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RKS		Batch: 2242076
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
ND	0.0500	1	10/14/22	10/15/22	
ND	0.0250	1	10/14/22	10/15/22	
	103 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2242076
ND	20.0	1	10/14/22	10/15/22	
	84.5 %	70-130	10/14/22	10/15/22	
mg/kg	mg/kg	Analy	/st: JL		Batch: 2242077
ND	25.0	1	10/14/22	10/18/22	
ND	50.0	1	10/14/22	10/18/22	
	111 %	50-200	10/14/22	10/18/22	
/1	ma/ka	Anals	/st: RAS		Batch: 2243001
mg/kg	mg/kg	7 Kilai y	5t. 1d 15		Daten. 22-13001
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO3 %         mg/kg           MD         20.0           84.5 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         2500         1           84.5 %         70-130           mg/kg         mg/kg         Analy           MD         25.0         1           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0500         1         10/14/22           ND         0.0250         1         10/14/22           ND         0.0250         1         10/14/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22           84.5 %         70-130         10/14/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/14/22           ND         50.0         1         10/14/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0500         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           ND         0.0250         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/22         10/15/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         10/14/22         10/18/22           ND         50.0         1         10/14/22         10/18/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### ST2W1 E210074-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.5 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		108 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243001
Chloride	719	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

### ST2W2 E210074-19

		E210074-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2242076
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/22	10/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.0 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		112 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2243001
Chloride	919	20.0	1	10/17/22	10/17/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

#### ST2W3 E210074-20

		E2100/4-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	1 21111 / 224	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	10/14/22	10/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		109 %	50-200	10/14/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2243001
Chloride	1220	20.0	1	10/17/22	10/17/22	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/18/20223:27:53PM

Artesia NM, 88210		Project Manager:		reg Crabtree					10/18/2022 3:27:53PI
		Volatile O	rganics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242076-BLK1)							Prepared: 1	0/14/22 A	nalyzed: 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: 1	0/14/22 A	nalyzed: 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: 1	0/14/22 A	nalyzed: 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	
o,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	

70-130



Analyte

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree10/18/2022 3:27:53PM

	Nonhalogenated Organics by EPA 8015D - GRO										
Re	esult	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
m	g/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		

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	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Number: Project Manager:	Greg Crabtree	10/18/2022 3:27:53PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				10	/18/2022 3:27:53PF
	Nonha	logenated Or	ganics by l	E <b>PA 8015I</b>	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2242077-BLK1)							Prepared: 1	0/14/22 Ana	llyzed: 10/17/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.0		50.0		108	50-200			
LCS (2242077-BS1)							Prepared: 1	0/14/22 Ana	lyzed: 10/17/22
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
urrogate: n-Nonane	54.8		50.0		110	50-200			
Matrix Spike (2242077-MS1)				Source:	E210074-0	07	Prepared: 1	0/14/22 Ana	lyzed: 10/17/22
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
urrogate: n-Nonane	54.3		50.0		109	50-200			
Matrix Spike Dup (2242077-MSD1)				Source:	E210074-0	07	Prepared: 10	0/14/22 Ana	alyzed: 10/17/22
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.0227	20	
urrogate: n-Nonane	50.3		50.0		101	50-200			



Matrix Spike Dup (2243001-MSD1)

Chloride

2350

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	: 19	chen Frey DM 9034-0009 reg Crabtree	f #11			1	<b>Reported:</b> 0/18/2022 3:27:53PM
				300.0/9056 <i>A</i>	<b>A</b>				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 (2243001-BLK1)							Prepared: 10	0/17/22 An	alyzed: 10/17/22
Chloride	ND	20.0							
LCS (2243001-BS1)							Prepared: 10	0/17/22 An	alyzed: 10/17/22
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2243001-MS1)				Source:	E210074-	01	Prepared: 1	0/17/22 An	alyzed: 10/17/22
Chloride	2240	20.0	250	2040	80.3	80-120			

250

20.0

Source: E210074-01

124

80-120

4.79

#### 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.



Prepared: 10/17/22 Analyzed: 10/17/22

M2

### **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	10/18/22 15:27

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				Chair	n of Custody													Page _	of
Client: FOG Project: Achen Frage		DMH	п	Bill To Attention:						e Or	<u> </u>			. Inc		AT			rogram
Project Manager: (71-0	Crabtre	C NAME OF THE PERSON OF THE PE	"	Address:		F	ZIC	74	1	Job 190		0009	11	20	3D	_	andard	CWA	SDWA
Address: J City, State, Zip				City, State, Zip	-225			Analysis and Method					RCRA						
Phone:			- 1	Phone: Email:		100												Charles	1
Email: ALL envi	0			cinali.		7 801	108	_				1		NM CO	State UT   AZ	TXI			
Report due by:						80	RO by	y 802	, 8260	6010	le 300		- 1			1	X		
Time Sampled Date Sampled M		o. of tainers Sample	e ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						0.000	Remark	
8:25 10-13-22 5		St	BI			X	X	X			X							76 20-222	
8:29 10-13-22 5	5 1	541	R2		2	1		1			1								
8:37 10-13-22 3	S	St	1B3		3														
8:40 10-13-22	S	1 5+1	B4		4														
8:45 10-13:22	S	St	B5		5	П	П												
8:47 10-13-22 5	5   1	St	B6		6			$\Pi$						T		Г			
8:5010-13-22 5		St	187		7	I	П				1								
8:52 10-13-22 5	5 1	Sti	B8		8						1			Τ					
8:5610-13-22 5	5 1	Sti	B9		9			П			1								
9:01 10-13-22 5	5 1	Sti	WI		10	1		]			1			T					
Additional Instructions:									_	_					_				
l, (field sampler), attest to the valid date or time of collection is conside	ty and auther	nticity of this sar	nple. I am aware	that tampering with or intentionally mislabel Sampled by: A. Fou	lling the sample to	cation											on ice the day t		ed or receive
Relinquished by: (Signature)	1-	Date 10-14-2	Time	Received by: (Stephture)	Date 10/14/	22	Time 1,3.	49	7	Rece	iver	on ice		Lab L	Jse Or	nly	With the State of		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date		Time			T1	ivet	. on ice	•	•	•		T2		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date		Time			AVG	Ten	np °C_	-4 <sup>12</sup> 13						
Sample Matrix: S - Soil, Sd - Solid, Sg					Container	Туре	g-g	lass, p	9 - DO	lv/pla	astic	ag - an	nber gl	ass, v	- VOA		11		
Note: Samples are discarded 30 samples is applicable only to tho	days after rose samples	esults are repo received by th	rted unless oth e laboratory wi	er arrangements are made. Hazardous h this COC. The liability of the laborator	samples will be	retur	ned to	client	or di	snose	d of a	t the cli	ent exp	ense.	The re	port fo	or the analy	sis of the a	bove



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Project I	nformation					Chain	of Custody												Page <u></u>	of
Client:	FOG					Bill To		T		La	ab U	se Or	lv	1.			TA	T.	EPA F	rogram
Project:	Achen Fray Manager: Gre	DM Croh	#11			Attention: Address:	Lab WO# Job Number E 210074 19034-0009		ber		2D	3D	Standard	CWA	SDWA					
Address		3				City, State, Zip		-	210	-	•			nd Met			_	RCRA		
City, Sta	te, Zip					Phone:						Г								X
Phone:	AIL EM	C'10				Email:		8015	8015							1	Ы		State	
Email: Report of		rico.						<u>ā</u>	by 8	051	8	9	00.0		- 1		1 1	NM CO	UT AZ	TX
Time			1 201				Lab	8	8	by 8	3y 82	18.60	de 3		- [		П			
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			$\perp$			Remarks	
9:05	10-13-22	S	1	STI	W2	1	11	X	X	X			X							v
9:09	10-13-II	S	1	STI	W3		12	1	1		V								HOUR-Se	
9:50	10-13-02	5		ST2	BI		13				50.000									
9:57	10-13-22	S	1	STA	B2		14													
10:04	10-13-22	S	1	ST2	B3		15		П											
10:11	10-13-22	S	1	ST21	34		16	П	1	1							П			
	10-13-72	S	1	STA	B5		17		T	1					1		П			
	10-13-22	S	1	STO	11		18	П	T	T			7	$\top$	$\top$					
	10-13-72	S		STAU	W2		19	П					71		1		П			
	10-13-23	5	1	STA			20	$\forall$	)	Ħ			1	1	+		$\Box$			
	al Instruction	ns:						_												Cr -
	oler), attest to the					e that tampering with or intentionally mislabel Sampled by: A Form		cation,										eived on ice the day to °C on subsequent day		d or received
Relinquish	ed by: (Signature	_	Date		ime 13:41	Reserved by: (Signatuse)	Date /	22	Time /2	:4	9	Rece	ived	on ice	,	Lab Us	e Onl	Υ		şΤ.
	ed by: (Signature	e)	Date		ime	Received by: (Signature)	Date		Time			T1		1	T2			73		n 7
Relinquish	ed by: (Signatur	2)	Date	Т	ime	Received by: (Signature)	Date		Time			1	Tem	p°C_						
Sample Mat	rix: S - Soil, Sd - Sc	lid, Sg - Slud	ige, A - Aque	ous, O - Other			Container	Туре	: g - g	lass,						ass, v -	VOA		- 3 34	-
Note: Sam samples is	ples are discarde applicable only	ed 30 days a	after result mples rece	s are reported wed by the la	d unless of boratory v	ther arrangements are made. Hazardous with this COC. The liability of the laborator	samples will be	return	ned to	client	t or d	ispose the rep	d of at	t the clie	nt exp	ense. 1	he rep	ort for the analy	sis of the ab	ove

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Printed: 10/14/2022 3:16:01PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

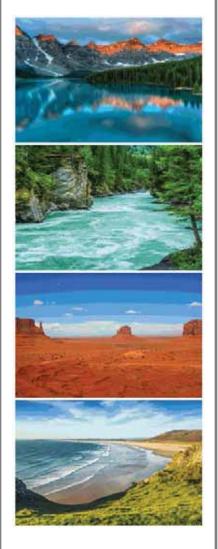
Instructions: Please take note of any NO checkmarks.

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.

	ate Received:	10/14/22	13:49		Work Order ID:	E210074	
Г	ate Logged In:	10/14/22	13:56		Logged In By:	Caitlin Christian	
Ε	ue Date:	10/17/22	17:00 (1 day TAT)				
he COC?		Yes					
s per sampling site location match	the COC	Yes					
y client or carrier?		Yes	Carrier: A	Austin Foutz			
, signatures, dates/times, requeste	d analyses?	Yes	_				
as pH which should be conducted in the	e field,	Yes			Commen	ts/Resolution	
<u> </u>		Yes					
ard Irri, or Expedited Irri.		105					
ed?		Yes					
· ·							
•							
e? If yes, the recorded temp is 4°C, i.e vation is not required, if samples are re	eceived w/i 15	Yes					
e temperature. Actual sample te	mperature: 4°0	<u>C</u>					
_							
•							
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	s collected?						
eight of number of sample container	s conceteur.	103					
lled out with the minimum inform	nation:	Vec					
		Yes					
els indicate the samples were pres	erved?	No					
		NA					
nd/or requested for dissolved met	als?	No					
•		No					
fy which phase(s) is to be analyze	ed?	NA					
et sent to a subcontract laboratory		No NA	Subcontract Lat	o: na			
ory specified by the client and if so							
	by client or carrier? , signatures, dates/times, requested within holding time? as pH which should be conducted in the ne, are not included in this disucssion.  TAT)  ard TAT, or Expedited TAT?  ed? in good condition? intact, i.e., not broken? is present? ity seals intact? e? If yes, the recorded temp is 4°C, i.e wation is not required, if samples are receivation is not required. if samples are receivation in the correct containers? ed in VOA Vials? 6-8 mm (pea sized or less)? uded for VOC analyses? lected in the correct containers? eight or number of sample container illed out with the minimum information of the correct container	s per sampling site location match the COC by client or carrier? , signatures, dates/times, requested analyses? within holding time? as pH which should be conducted in the field, me, are not included in this disucssion.  TAT) ard TAT, or Expedited TAT?  ed? in good condition? intact, i.e., not broken? is present? ity seals intact? ee? If yes, the recorded temp is 4°C, i.e., 6°±2°C vation is not required, if samples are received w/i 15 et temperature. Actual sample temperature: 4°c in VOA Vials? 6-8 mm (pea sized or less)? uded for VOC analyses? lected in the correct containers? eight or number of sample containers collected? filled out with the minimum information:	s per sampling site location match the COC yes yo client or carrier? yes , signatures, dates/times, requested analyses? yes within holding time? as pH which should be conducted in the field, me, are not included in this disucssion.  TAT  ard TAT, or Expedited TAT?  Yes ed? yes in good condition? yes in good condition? yes spresent? yes	sper sampling site location match the COC yes by client or carrier? yes yelient or carrier? yes signatures, dates/times, requested analyses? yes within holding time? yes as pH which should be conducted in the field, me, are not included in this disucssion.  IAT  TAT  ard TAT, or Expedited TAT?  Yes  and? yes in good condition? yes intact, i.e., not broken? yes spresent? No ty seals intact?  Yes  attitude in the recorded temp is 4°C, i.e., 6°±2°C yes vation is not required, if samples are received w/i 15  attitude temperature. Actual sample temperature:  attitude for VOA Vials? Actual sample temperature:  yes eight or number of sample containers? yes eight or number of sample containers collected?  Yes  yes  yes  yes  yes  yes  yes  yes	sper sampling site location match the COC yes yo client or carrier? Yes yo client or carrier? Yes yo client or carrier? Yes your client or carrier? Yes your client or carrier? Yes spantaures, dates/times, requested analyses? Yes as pH which should be conducted in the field, me, are not included in this disucssion.  IATI) ard TAT, or Expedited TAT? Yes ed? Yes in good condition? Yes in good condition? Yes in good condition? Yes spresent? No ty seals intact? Yes Yes your client or carrier: Austin Foutz Yes and of TAT,  Yes  and Yes  And Yes  And Yes  And Yes  And And And And And And And And And An	s per sampling site location match the COC yes by client or carrier? Yes varion is not required, if samples are received w/i 15 etemperature. Actual sample temperature: 4°C spresent? NA add for VOC analyses? NA added for OC analyses? No added for OC analyses?	s per sampling site location match the COC yes or client or carrier? yes carrier: Austin Foutz y

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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 reguarding 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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### Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Danautada
104 South 4th Street	Project Number: 19034-0009		Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/07/22 15:30

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.

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW1 - 1 E211029-01

		E211029-01				
		Reporting		_ ,		
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	11/04/22	11/04/22	
o,m-Xylene	ND	0.0500	1	11/04/22	11/04/22	
Total Xylenes	ND	0.0250	1	11/04/22	11/04/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2245058
Chloride	7430	200	10	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW1 - 2 E211029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		106 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2245058
Chloride	9230	200	10	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW1 - 3 E211029-03

		E211027-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2245058
Chloride	4570	100	5	11/04/22	11/04/22	

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW1 - 4 E211029-04

		E211027-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		109 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	6940	200	10	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW2 - 1 E211029-05

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	110 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	81.2 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2245057
602	25.0	1	11/04/22	11/04/22	
278	50.0	1	11/04/22	11/04/22	
	110 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2245058
ND	100	5	11/04/22	11/04/22	
	mg/kg ND ND ND ND ND ND ND ND O Mg/kg ND  mg/kg 602 278	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         50.0           110 %         110 %           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           81.2 %         70-130           mg/kg         mg/kg         Anal           602         25.0         1           278         50.0         1           110 %         50-200           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           602         25.0         1         11/04/22           278         50.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW2 - 2 E211029-06

		E211029-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2245058
Chloride	1270	100	5	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

### STW2 - 3 E211029-07

	E211029-07					
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tildiye	resur	- Emilie	Bilation	Trepared	7 Hary Zec	110103
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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2245058
Chloride	ND	400	20	11/04/22	11/04/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW2 - 4 E211029-08

		E211029-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2245058
Chloride	5370	400	20	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 1 E211029-09

		E211029-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	14600	400	20	11/04/22	11/07/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 2 E211029-10

		E211029-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	13000	400	20	11/04/22	11/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 3 E211029-11

	E211029-11				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	103 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	96.3 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2245057
ND	25.0	1	11/04/22	11/04/22	
ND	50.0	1	11/04/22	11/04/22	
	112 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
5430	100	5	11/04/22	11/07/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           103 %           mg/kg         mg/kg           ND         20.0           96.3 %         mg/kg           ND         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           Mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           II2 %         50-200           mg/kg         mg/kg         Analys	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IJ         11/04/22         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/04/22         11/04/22           ND         25.0         1         11/04/22         11/04/22         11/04/22           ND         50.0         1         11/04/22         11/04/22         11/04/22           Mg/kg <t< td=""></t<>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 4 E211029-12

		E211029-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepareu	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2245058
Chloride	6030	100	5	11/04/22	11/07/22	



### **QC Summary Data**

Achen Frey DM #11 EOG Resources Project Name: Reported: 104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210		Project Manager:	Gr	eg Crabtree				1	1/7/2022 3:30:23PN
Volatile Organics by EPA 8021B Analyst: IY									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2245055-BLK1)						P	repared: 1	1/04/22 Ana	alyzed: 11/07/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			
LCS (2245055-BS1)						P	repared: 1	1/04/22 Ana	alyzed: 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			
o,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)						P	repared: 1	1/04/22 Ana	alyzed: 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	
o,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	
	8.28		8.00		103	70-130			



### **QC Summary Data**

EOG Resources	Project Name: Achen F	Frey DM #11 Reported:	]
104 South 4th Street	Project Number: 19034-0	-0009	١
Artesia NM, 88210	Project Manager: Greg Cra	Crabtree 11/7/2022 3:30:23PM	ı

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				1	1/7/2022 3:30:23P
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2245055-BLK1)							Prepared: 1	1/04/22 Ana	alyzed: 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: 1	1/04/22 Ana	alyzed: 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: 1	1/04/22 Ana	alyzed: 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	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1.	1/7/2022 3:30:23PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2245057-BLK1)							Prepared: 1	1/04/22 Ana	alyzed: 11/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.1		50.0		114	50-200			
LCS (2245057-BS1)							Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
urrogate: n-Nonane	53.8		50.0		108	50-200			
Matrix Spike (2245057-MS1)				Source:	E211029-	10	Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
Diesel Range Organics (C10-C28)	462	25.0	250	279	73.2	38-132			
urrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike Dup (2245057-MSD1)				Source:	E211029-	10	Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
Diesel Range Organics (C10-C28)	334	25.0	250	279	21.9	38-132	32.2	20	M2, R3
'urrogate: n-Nonane	54.4		50.0		109	50-200			



Chloride

### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		ichen Frey DM 9034-0009	#11				Reported:
Artesia NM, 88210		Project Manager		reg Crabtree					11/7/2022 3:30:23PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2245058-BLK1)							Prepared:	11/04/22 A	analyzed: 11/04/22
Chloride	ND	20.0							
LCS (2245058-BS1)							Prepared:	11/04/22 A	analyzed: 11/04/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2245058-MS1)				Source:	E211029-0	)1	Prepared:	11/04/22 A	analyzed: 11/04/22
Chloride	7720	200	250	7430	117	80-120			
Matrix Spike Dup (2245058-MSD1)				Source:	E211029-0	)1	Prepared:	11/04/22 A	analyzed: 11/04/22

250

200

80-120

150

1.04

#### 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	
١	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.



Client:	606				5 xx	Bill To				La	75.77	se Or		Vii			- 0	TA	*.*	EPA P	rogram
Project:	Achen For	4 Duc	4//		1	ention:			WO#				Num			1D	2D	3D	Standard	CWA	SDWA
	Manager:	Greg Cra	abtree			dress:		E2	110	729	1	190	34-0	2009	7	X					
Address:						, State, Zip						Analy	ysis ar	nd Me	thod						RCRA
City, Sta	te, Zip				1	one:													97.05		X
Phone:					Em	ail:		à					48.0	8270		- 1				State	
	Garcia B. Ha	II G. Crab	tree T. Ki	night	- 1			O,ORO by	8021	00.0	8	9	10/		- 1				NM CO	UT AZ	TX
Report d	lue by:		_				1	8,	by 80	de 3	y 82	99	4	/ofit	- 1				X	$\sqcup$	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO,0		Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles	RCI	PCB's				Remarks	
14:10	11/2/22	5	1	STW	1-1		100	X	Х	X											
14:19	1	1		STW	1-2		2	1	1	1			2-13-3			3					
14:26				STW	1-3		3														
14.34			16	sτω	1-4		4														
14:49				STW	2-1		5														
14:59			П	STW			6			П											
15:10				STW	2-3		7														
15:15				STW	2-30	<u> </u>	8														
15.25				STW	3-1		9														
15:32	T	1	1	STW	3-2		10	2	. }	7											
×																		2=25		722	
x date or tim	e of collection is c	onsidered fr	aud and may	be grounds for leg	gal action.	Sampled by: Isaac Garcia													elved on ice the day to °C on subsequent day		ed or received
Relinquish	ned by: (Signatur	e)	— Date	8/2002 /.		Received by: (6ignature)	//-3- Z	Z	Time /.	33 7	_	Rece	ived	on ic	e:	Lat		e Onl	y	wii By	De . 30
1	ned by: (Signatur	In-	Date //-		1615	Received by: (Signature)	Date 11/4/2		Time /0:/	90000		T1		-	es He,	T2			<u>T3</u>		
Relinquist	ed by: (Signatur	e)	Date		ie	Received by: (Signature)	Date		Time		AVG Temp °C_4										
Sample Ma	trix: S - Soil, Sd - S	olid. Sg - Slu	dge. A - Amu	ous. O - Other		<u> </u>	Container	Type	: g - g	lass.	<b>0</b> - pc	ly/pl	astic	ag - a	mber	glass	. v - \	/OA			
					inless other	arrangements are made. Hazardous sa													ort for the analy	sis of the at	oove

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Project Ir	formation						Chain	of Custody														Page	_ ofC
Client:	EOG.	Dw	¥ //		11	Atte	Bill To		Lab	wo		ab U		nly Num	hor		10	2D	T/		andard	EPA Pr	rogram
Project N	Aanager:	Greg Cra	btree		163	-	ress:	_	F	211	579	9		)54-			X	20	30	310	anuaru	CWA	SDVVA
Address:			177	- 11		-	, State, Zip		-	-,,,	-	_		ysis a			-	-					RCRA
City, Stat					(8.)	Pho	ne:			Τ	П	П	Π				П	П	- 1				X
Phone:					1230.1	Ema	il:		à		1		l l	92	8270			1				State	
	Garcia B. Ha	II G. Crab	tree T. Kn	ight	_				8	17	0.0	8		10/	les 8			1			NM CO	UT AZ	TX
Report d	ue by:							1	0,	8 8	de 30	y 82	8	å	/oliti	1		1			$ \mathbf{X}$		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	D			Lab Number	DRO,G	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles	RGI	PCB's					Remarks	
15:40	11/2/22	5	١	ST	W3-	3	38 2 - 10 1 - 2	11	٨	Х	X	L											
15:46	11/2/22	S	1	ST	W3-	4		12	X	X	X	L	L										
								Det		Ļ	L												
									L	_	L												
								1.3	L	L	L					Ш			Ц				
								1.7		L	L	L											
											L												
21								1		L	L												
											L												
								Ĭř I	70														
×																							
x date or time	of collection is co	onsidered fra	aud and may	be grounds f	or legal actio	in.	Sampled by: Isaac Garcia						F 100 CO 100 CO		100						on ice the day the subsequent day	Charles and again	d or received
Relinquishe	ed by: (Signature	e)	Date /// 2	s/zozz	Time /3:32		Received by: (Signature)	Date 11.3.1	lozi	Time	133	2	Rece	eived	on ic	e:	-	b Us	e On	у	7	200	
X	ed by: (Signature	1	Date	3.22	Time /6/	5	Received by: (Signature)	Date 11/4/2		Time 10:	15		T1				T2			l) e	Т3	b	
Retinquishe	ed by: (Signature	e)	Date		Time		Received by: (Signature)	Date		Time			AVG	Tem	p°C	4		S.	16		(68)	2	
Sample Mati	rix: S - Soil, Sd - So	olid, Sg - Slud	ige, A - Aque	ous, O - Othe	er	_		AVG Temp °C 4  Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samp	ples are discarde	ed 30 days	after results	s are report	ted unless o		rrangements are made. Hazardous sais COC. The liability of the laboratory	amples will be	e retur	ned to	o clie	nt or d	ispose	d of a						ort fo	or the analys	is of the ab	oove

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envirotech Inc.

Printed: 11/4/2022 10:44:06AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

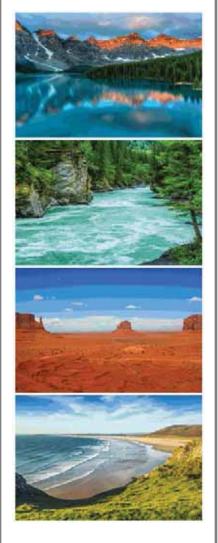
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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 o	f Custody (COC)						
1. Does 1	the sample ID match the COC?		Yes				
2. Does 1	the number of samples per sampling site location mate	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	PS		
4. Was tl	he COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes	_			
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes	_		<u>Comment</u>	s/Resolution
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container		_				
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain-		Yes				
Field La	•						
	e field sample labels filled out with the minimum infor	rmation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		Yes				
	Preservation	40					
	s the COC or field labels indicate the samples were pro	eserved?	No				
	sample(s) correctly preserved?	. 1.0	NA				
	o filteration required and/or requested for dissolved me	etals?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphas		No				
27. If ye	s, does the COC specify which phase(s) is to be analyst	zed?	NA				
Subcont	tract Laboratory						
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab:	: na		
Client I	<u>Instruction</u>						
<u>enene i</u>	<u>non action</u>						
							-

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Rayny Hagan

Technical Representative

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



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### **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/07/22 15:30

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.

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW1 - 1 E211029-01

	E211029-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	•		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	104 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	81.7 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: JL		Batch: 2245057
ND	25.0	1	11/04/22	11/04/22	
ND	50.0	1	11/04/22	11/04/22	
	108 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: KL		Batch: 2245058
7430	200	10	11/04/22	11/04/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           104 %           mg/kg         mg/kg           ND         20.0           81.7 %         mg/kg           MD         25.0           ND         50.0           108 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           81.7 %         70-130           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           108 %         50-200           mg/kg         Mg/kg         Analys	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           ND         70-130         11/04/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           MD         50.0         1         11/04/22           mg/kg         Mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IJ         11/04/22         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/04/22         11/04/22           ND         25.0         1         11/04/22         11/04/22         11/04/22           ND         50.0         1         11/04/22         11/04/22         11/04/22           Mg/kg <t< td=""></t<>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW1 - 2 E211029-02

		E211029-02				
	D. I.	Reporting		D 1		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		106 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	9230	200	10	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW1 - 3 E211029-03

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	•		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	105 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	81.7 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2245057
ND	25.0	1	11/04/22	11/04/22	
ND	50.0	1	11/04/22	11/04/22	
	110 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Analy	yst: KL		Batch: 2245058
4570	100	5	11/04/22	11/04/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           81.7 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           110 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.02         1           81.7 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           110 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           Mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/04/22         11/04/22           ND         25.0         1         11/04/22         11/04/22         11/04/22           ND         50.0         1         11/04/22         11/04/22         11/04/22           Mg/kg         mg/kg <t< td=""></t<>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW1 - 4 E211029-04

		E211029-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		109 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	6940	200	10	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW2 - 1 E211029-05

		E211027-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.2 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		110 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2245058
Chloride	ND	100	5	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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#### STW2 - 2 E211029-06

	E211027-00				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
0.0321	0.0250	1	11/04/22	11/04/22	
0.0729	0.0500	1	11/04/22	11/04/22	
0.105	0.0250	1	11/04/22	11/04/22	
	103 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	84.3 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2245057
50.3	25.0	1	11/04/22	11/04/22	
ND	50.0	1	11/04/22	11/04/22	
	111 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2245058
1270	100	5	11/04/22	11/04/22	
	mg/kg ND ND 0.0321 0.0729 0.105  mg/kg ND mg/kg So.3 ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           0.0321         0.0250           0.0729         0.0500           0.105         0.0250           103 %           mg/kg         mg/kg           ND         20.0           84.3 %         mg/kg           mg/kg         mg/kg           50.3         25.0           ND         50.0           111 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           0.0321         0.0250         1           0.0729         0.0500         1           0.105         0.0250         1           mg/kg         mg/kg         Ana           ND         20.0         1           84.3 %         70-130           mg/kg         mg/kg         Ana           50.3         25.0         1           ND         50.0         1           111 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           0.0321         0.0250         1         11/04/22           0.0729         0.0500         1         11/04/22           0.105         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           s4.3 %         70-130         11/04/22           mg/kg         mg/kg         Analyst: JL           50.3         25.0         1         11/04/22           ND         50.0         1         11/04/22           MD         50.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           0.0321         0.0250         1         11/04/22         11/04/22           0.0729         0.0500         1         11/04/22         11/04/22           0.105         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         11/04/22         11/04/22



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW2 - 3 E211029-07

	E211027-07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
y <b>EPA 8021B</b> mg/kg	mg/kg	Analyst: IY	7		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
0.0679	0.0500	1	11/04/22	11/04/22	
0.0679	0.0250	1	11/04/22	11/04/22	
obenzene-PID	111 %	70-130	11/04/22	11/04/22	
ganics by EPA 8015D - GRO mg/kg	mg/kg	Analyst: IY	7		Batch: 2245055
ics (C6-C10) ND	20.0	1	11/04/22	11/04/22	
orobenzene-FID	81.3 %	70-130	11/04/22	11/04/22	
ganics by EPA 8015D - DRO/ORO mg/kg	mg/kg	Analyst: JL			Batch: 2245057
(C10-C28) <b>1010</b>	50.0	2	11/04/22	11/04/22	
28-C36) <b>645</b>	100	2	11/04/22	11/04/22	
	108 % 5	50-200	11/04/22	11/04/22	
.0/9056A mg/kg	mg/kg	Analyst: KI	L		Batch: 2245058
ND	400	20	11/04/22	11/04/22	
.0/9056A mg/kg	108 % 5 mg/kg	50-200 Analyst: KI	11/04/22 L	11/04/22	Batch



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW2 - 4 E211029-08

		E211029-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		112 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2245058
Chloride	5370	400	20	11/04/22	11/04/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 1 E211029-09

	E211029-09				
Pacult		Dilution	Pranarad	Analyzad	Notes
Kesun	Lillit	Dilution	Терагец	Allalyzed	Notes
mg/kg	mg/kg	Analys	t: IY		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
0.0377	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	111 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	96.3 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: JL		Batch: 2245057
330	25.0	1	11/04/22	11/04/22	
249	50.0	1	11/04/22	11/04/22	
	110 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Analys	t: KL		Batch: 2245058
14600	400	20	11/04/22	11/07/22	
	ND 0.0377 ND ND ND ND ND Mg/kg ND mg/kg 330 249	Result         Reporting           mg/kg         mg/kg           ND         0.0250           0.0377         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           III %         mg/kg           mg/kg         mg/kg           ND         20.0           96.3 %         mg/kg           mg/kg         mg/kg           330         25.0           249         50.0           110 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           0.0377         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           96.3 %         70-130           mg/kg         mg/kg         Analys           330         25.0         1           110 %         50-200         1           mg/kg         mg/kg         Analys	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           0.0377         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           330         25.0         1         11/04/22           mg/kg         50.0         1         11/04/22           mg/kg         50.0         1         11/04/22           mg/kg         Mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           0.0377         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         III/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         III/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         III/04/22         11/04/22           mg/kg         mg/kg         Analyst: II         III/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         III/04/22         11/04/22           mg/kg         mg/kg         Analyst: KL         III/04/22         11/04/22



EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 2 E211029-10

		E211029-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		108 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2245058
Chloride	13000	400	20	11/04/22	11/07/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 3 E211029-11

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2245055
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
ND	0.0500	1	11/04/22	11/04/22	
ND	0.0250	1	11/04/22	11/04/22	
	103 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2245055
ND	20.0	1	11/04/22	11/04/22	
	96.3 %	70-130	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2245057
ND	25.0	1	11/04/22	11/04/22	
ND	50.0	1	11/04/22	11/04/22	
	112 %	50-200	11/04/22	11/04/22	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2245058
5430	100	5	11/04/22	11/07/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           96.3 %         mg/kg           ND         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           96.3 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           112 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0500         1         11/04/22           ND         0.0250         1         11/04/22           ND         0.0250         1         11/04/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           ND         50.0         1         11/04/22           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0500         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           ND         0.0250         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/04/22         11/04/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         11/04/22         11/04/22           ND         25.0         1         11/04/22         11/04/22         11/04/22           ND         50.0         1         11/04/22         11/04/22         11/04/22           Mg/kg         mg/kg <t< td=""></t<>

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

#### STW3 - 4 E211029-12

		E211029-12				
	D 1:	Reporting		ъ.		<b>N</b> .
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2245055
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/22	11/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	11/04/22	11/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		111 %	50-200	11/04/22	11/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2245058
Chloride	6030	100	5	11/04/22	11/07/22	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 11/7/2022 3:30:23PM

Artesia NM, 88210		Project Manager	: G1	reg Crabtree				11	/7/2022 3:30:23PM	
Volatile Organics by EPA 8021B Analyst: IY										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2245055-BLK1)						I	Prepared: 1	1/04/22 Ana	lyzed: 11/07/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130				
LCS (2245055-BS1)						I	Prepared: 1	1/04/22 Ana	lyzed: 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				
o,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)						I	Prepared: 1	1/04/22 Ana	lyzed: 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		

70-130



### **QC Summary Data**

EOG Resources	Project Name: Achen F	Frey DM #11 Reported:	]
104 South 4th Street	Project Number: 19034-0	-0009	١
Artesia NM, 88210	Project Manager: Greg Cra	Crabtree 11/7/2022 3:30:23PM	ı

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					11/7/2022 3:30:23PM				
	Non	halogenated	Organics l	by EPA 801	15D - G	RO		Analyst: IY					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2245055-BLK1)							Prepared: 11	1/04/22	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: 1	1/04/22	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	1/04/22	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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/7/2022 3:30:23PM

Artesia NW, 88210		Project Manager	i. Gi	eg Crabiree				1	1///2022 3.30.23FN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2245057-BLK1)							Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.1		50.0		114	50-200			
CS (2245057-BS1)							Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
riesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
urrogate: n-Nonane	53.8		50.0		108	50-200			
Matrix Spike (2245057-MS1)				Source:	E211029-1	10	Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
tiesel Range Organics (C10-C28)	462	25.0	250	279	73.2	38-132			
urrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike Dup (2245057-MSD1)				Source:	E211029-1	10	Prepared: 1	1/04/22 Ana	lyzed: 11/04/22
tiesel Range Organics (C10-C28)	334	25.0	250	279	21.9	38-132	32.2	20	M2, R3

Matrix Spike Dup (2245058-MSD1)

Chloride

### **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 3:30:23I						
		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 (2245058-BLK1)							Prepared: 1	1/04/22 Ar	nalyzed: 11/04/22			
Chloride	ND	20.0										
LCS (2245058-BS1)							Prepared: 1	1/04/22 Ar	nalyzed: 11/04/22			
Chloride	252	20.0	250		101	90-110						
Matrix Spike (2245058-MS1)				Source:	E211029-	01	Prepared: 1	1/04/22 Ar	nalyzed: 11/04/22			
Chloride	7720	200	250	7430	117	80-120						

250

200

Source: E211029-01

150

80-120

1.04

#### 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.



Prepared: 11/04/22 Analyzed: 11/04/22

#### **Definitions and Notes**

	EOG Resources	Project Name: Achen Frey	DM #11
١	104 South 4th Street	Project Number: 19034-000	Reported:
	Artesia NM, 88210	Project Manager: Greg Crabt	ree 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.



														Page of _						
Client: (	306				Bill To		Т		La	ab U	se Or	lly	12			7	TAT		EPA P	rogram
Project:/	Achen For	1 Duc	11		Attention:		Lab WO#						ber		1D	2D	3D	Standard	CWA	SDWA
	lanager:	Greg Cra	btree		Address:		E211029						000	_	X			7/-1/		
Address:				— I	City, State, Zip		_			_	Analy	/sis ar	nd Me	ethod	_	_		-		RCRA
City, Stat Phone:	e, ZIP	_		_	Phone: Email:								٥						State	X
	Garcia B. Ha	I G. Crab	Email:	<del></del>	ORO by		0			- FE	8270			Н		NM CO		ТтуТ		
Report d		01 01 01					9,0	8021	300	3260	010	w/c	liffe		ı		- 1	V'	01 12	11/
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO,GRI 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles	RCI	PCB's				Remarks	
14:10	11/2/22	5	1	STW1-	Î.	1	Χ	Χ	X											
14:19	1	1		STW1-	2	2	1	1	1											
14:26				STW1.	-3	3														
14:34			94	STW 1	- 4	4														
14:49				STW Z	- )	5	П													
14:59			П	STWZ		16	П		T										5	
15:10				STW 7	3	7														
15:15				STW Z	24	8														
15:25			П	STW 3	- (	9	$\square$													
15:32	7	T	1	STW3.	٠ ٢	10	1	1	7											
×																			722	
x date or time	of collection is co	onsidered fr	aud and may	be grounds for legal act	ion. Sampled by: Isaac Garcia													ed on ice the day t on subsequent da		d or received
	ed by: (Signatur		Date		Received by: (Signature)	- Date //-3- Z		Time	33 7	_	Rece	ived	on ic	۰.	Lal		Only		WE BY	De . 30
Relinquished by: (Signature) Date Time Rerejyeob				Received by: (Signature)	Date 11/4/2		Time			Received on ice:				8			тэ .			
			Received by: (Signature)	Date		Time			AVG	Tem	p°C		<u>T2</u>	72	7	<u>T3</u>				
Sample Ma	rix: S - Soil, Sd - Se	olid, Sg - Slu	ige, A - Aque	ous, O - Other		Container	Type:	:g-g	lass, i	<b>p</b> - pc	oly/pla	stic.	ag - a	mber	r glass	. v - V	OA			

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Project Ir	formation	Chain	of Custody														PageC	_ of									
Client:	E06					T	Bill To		Т		L	ab U	se Or	nly					T	AT		EPA P	rogram				
	Acheu F. Nanager:	Greg Cra	btree		15.5	-	ention: lress:	_	Lab E 2	WO:	229	7		Num			1D X	2D	3D	St	andard	CWA	SDWA				
Address:	garonistrali — II— C					City	City, State, Zip						Anal	/sis a	nd Me	ethod					- 9		RCRA				
City, Stat	te, Zip				S.,	Pho	ne:			П	П	П	П						Г	П				4	X		
Phone:			nil;		à		2		l I	혛	8270											1				State	
Email: I. Garcia B. Hall G. Crabtree T. Knight					-	1					8	8	۱ .	0,	les	1	H		l j		1		1 8	NM CO	UT AZ	TX	
Report d	ue by:					_		T	6,	34 86	de 3	y 82	8	á	Full TCLP w/o H&P Semi-Volitiles 8270	1				1 3	$\mathbf{x}$						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D			Lab Number	DRO,G	8015 BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TC		Semi-1	RCI	PCB's	L				Remarks				
15:40	11/2/22	5	١	ST	W3-	3	25 2	11	٨	Х	X	L															
15146	11/2/22	S	ţ	ST	W3-	-4 12			X	Х	X																
4.								No. 1										L	ľ								
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x date or time	of collection is o	onsidered fra	ud and may	be grounds t	or legal actio	on.	Sampled by: Isaac Garcia						F 100 CO 100 CO		100						in ice the day the subsequent day	Second Contraction	ed or received				
	ed by: (Signatur	e)	Date ///.	s/rorz	Time /3:32	_	Received by: (Signature)	Date 11.3.1	oza	Time	133	2	Rece	eived	on ic	e:		ab Us	e On	ly	77-						
					Time  61	11/4/2 Received by: (Signature) hts 11/4/2			Time				T1				T2	250			Т3		. 16				
Retinquished by: (Signature) Date Time						Received by: (Signature)	Date		Time			AVG	Tem	p°C	4		S.	18									
Sample Mat	rix: S - Soil, Sd - Se	olid, Sg - Slud	ge, A - Aque	ous, O - Oth	er	_		AVG Temp °C																			
Note: Sam	ples are discard	ed 30 days	after result	s are repor	ted unless		rrangements are made. Hazardous sais COC. The liability of the laboratory	mples will be	retur	ned to	clier	nt or d	ispose	d of a						port fo	or the analy	is of the al	bove				

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Printed: 11/4/2022 10:44:06AM

## **Envirotech Analytical Laboratory**

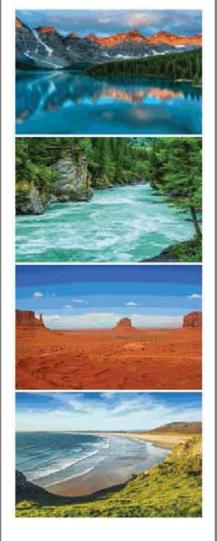
Sample Receipt Checklist (SRC)

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:		17:00 (0 day TAT)		Logged III Dj.	Cannin Christian
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	h the COC					
	samples dropped off by client or carrier?		Yes Yes	Comion I	IDC		
	ne COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes	Carrier: <u>U</u>	<u>) F S</u>		
	all samples received within holding time?	od anaryses.	Yes				
J. WOLCE	Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		103			<u>Comment</u>	s/Resolution
Sample '	<u> Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are r minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°0	<u>C</u>				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containe	rs collected?	Yes				
Field La							
	e field sample labels filled out with the minimum information ID2	mation:	Yes				
	Sample ID? Date/Time Collected?		Yes	l			
	Collectors name?		Yes				
Sample 1	Preservation_		100				
	the COC or field labels indicate the samples were pres	served?	No				
22. Are s	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved me	tals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	?	No				
	s, does the COC specify which phase(s) is to be analyz		NA				
			1171				
	ract Laboratory	-n	NI.				
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab	o: na		
Client I	nstruction						
							1

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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ljarboe@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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NT 6-3	11
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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 09:27

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## CS6 - 1 E211117-01

		E21111/-U1					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	ution	Frepared	Anaryzeu	ivotes
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	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		102 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

CS6 - 2

		E211117-02				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepa	ared Analyze	ed Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY		Batch: 2247120
Benzene	ND	0.0250	1	11/19	0/22 11/20/2	2
Ethylbenzene	ND	0.0250	1	11/19	0/22 11/20/2	2
Toluene	ND	0.0250	1	11/19	0/22 11/20/2	2
o-Xylene	ND	0.0250	1	11/19	0/22 11/20/2	2
p,m-Xylene	ND	0.0500	1	11/19	0/22 11/20/2	2
Total Xylenes	ND	0.0250	1	11/19	9/22 11/20/2	2
Surrogate: Bromofluorobenzene		97.0 %	70-130	11/19	0/22 11/20/2	2
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	11/19	0/22 11/20/2	22
Surrogate: Toluene-d8		102 %	70-130	11/19	0/22 11/20/2	2
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19	0/22 11/20/2	2
Surrogate: Bromofluorobenzene		97.0 %	70-130	11/19	0/22 11/20/2	22
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	11/19	0/22 11/20/2	2
Surrogate: Toluene-d8		102 %	70-130	11/19	0/22 11/20/2	2
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL		Batch: 2248005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/2	/22 11/22/2	2
Oil Range Organics (C28-C36)	ND	50.0	1	11/2	/22 11/22/2	2
Surrogate: n-Nonane		104 %	50-200	11/2	1/22 11/22/2	22
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248014
Chloride	3800	40.0	2	11/2	/22 11/21/2	2

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

#### **CS6 - 3**

#### E211117-03

		Reporting					
Analyte	Result	Limit	Dil	lution	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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

#### **CS6 - 4**

#### E211117-04

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		95.0 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		95.0 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		103 %	50-200		11/21/22	11/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2248014
imons by Eliteution your							

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## NTW6 - 1 E211117-05

Result	Reporting Limit		n Prepared	Analyzed	Notes
mø/kø mø/kø		An	alyst: IY		Batch: 2247120
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0500	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
	95.5 %	70-130	11/19/22	11/20/22	
	96.1 %	70-130	11/19/22	11/20/22	
	100 %	70-130	11/19/22	11/20/22	
mg/kg	mg/kg	An	Analyst: IY		Batch: 2247120
ND	20.0	1	11/19/22	11/20/22	
	95.5 %	70-130	11/19/22	11/20/22	
	96.1 %	70-130	11/19/22	11/20/22	
	100 %	70-130	11/19/22	11/20/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2248005
ND	25.0	1	11/21/22	11/22/22	
ND	50.0	1	11/21/22	11/22/22	
	105 %	50-200	11/21/22	11/22/22	
mg/kg	mg/kg	An	alyst: KL		Batch: 2248014
3390	200	10	11/21/22	11/21/22	•
	mg/kg ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           95.5 %         96.1 %           100 %         100 %           mg/kg         mg/kg           ND         20.0           95.5 %         96.1 %           100 %         100 %           mg/kg         mg/kg           ND         25.0           ND         50.0           105 %         mg/kg	mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           95.5 %         70-130           96.1 %         70-130           100 %         70-130           95.5 %         70-130           96.1 %         70-130           100 %         70-130           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1           105 %         50-200           mg/kg         mg/kg         An	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           96.1 %         70-130         11/19/22           100 %         70-130         11/19/22           100 %         70-130         11/19/22           96.1 %         70-130         11/19/22           100 %         70-130         11/19/22           100 %         70-130         11/19/22           100 %         70-130         11/19/22           100 %         70-130         11/19/22           ND         25.0         1         11/19/22           ND         50.0         1         11/21/22           ND         50.0         1         11/21/22 <td< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Interpared         Analyzed           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           95.5 %         70-130         11/19/22         11/20/22           100 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/20/22         11/20/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/19/22         11/20/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/19/22         11/20/22         11/20/22</td></td<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Interpared         Analyzed           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           95.5 %         70-130         11/19/22         11/20/22           100 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/20/22         11/20/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/19/22         11/20/22         11/20/22           mg/kg         mg/kg         Analyst: IY         11/19/22         11/20/22         11/20/22

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## NTW6 - 2 E211117-06

		1211117-00				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Allaryte	Result	Limit	Diluti	on Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		97.4 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		107 %	50-200	11/21/22	11/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2248014
Chloride	1390	20.0	1	11/21/22	11/21/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## NTW6 - 3 E211117-07

		E21111/-0/					
	D. I.	Reporting		<i>.</i> ·	D 1		N.
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	7		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	
Surrogate: Bromofluorobenzene		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		103 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: K	L		Batch: 2248014
Chloride	122	20.0	1		11/21/22	11/21/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 9:27:02AM

## STW6 - 1 E211117-08

		<b>D211117</b> 00				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg			nalyst: IY	, <u> </u>	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	
Surrogate: Bromofluorobenzene		96.0 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: 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	
Surrogate: n-Nonane		99.5 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: KL		Batch: 2248014
Chloride	10100	400	20	11/21/22	11/21/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 9:27:02AM

#### STW6 - 2 E211117-09

Notes
Batch: 2247120
Batch: 2247120
Batch: 2248005
Batch: 2248014



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## STW6 - 3 E211117-10

		1211117-10				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Diluti	ion Prepared	Aliatyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.6 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.6 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		101 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		104 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2248014
Chloride	20.8	20.0	1	11/21/22	11/21/22	
Chioriac	20.0	20.0				



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 9:27:02AM

## STW6 - 4 E211117-11

		1.211117 11				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
				1	rmaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: Bromofluorobenzene		96.4 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2247120
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		102 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		105 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2248014
Chloride	ND	20.0	1	11/21/22	11/22/22	

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20229:27:02AM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				1	1/28/2022 9:27:02AN
	V	olatile Organ	ic Compo	unds by EP	A 8260	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247120-BLK1)							Prepared: 1	1/19/22 An	alyzed: 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: 1	1/19/22 An	alyzed: 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			
o,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: 1	1/19/22 An	alyzed: 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	
o,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			

0.500

99.2

70-130



Surrogate: Toluene-d8

0.496

# **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/2029:27:02AM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Ana	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247120-BLK1)						Prepared: 1	/19/22 Analy	zed: 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 Analy	zed: 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 Analy	zed: 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 ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20229:27:02AM

Artesia NW, 88210		Project Manager	r. Gr	eg Crabiree				1	1/26/2022 9.27.02AI
	Nonhal	logenated Or	ganics by l	EPA 8015I	) - DRO	ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248005-BLK1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.6		50.0		105	50-200			
CS (2248005-BS1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
iesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
urrogate: n-Nonane	49.3		50.0		98.6	50-200			
Aatrix Spike (2248005-MS1)				Source:	E211117-0	1	Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
iesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
urrogate: n-Nonane	49.4		50.0		98.7	50-200			
Matrix Spike Dup (2248005-MSD1)				Source:	E211117-0	1	Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
iesel Range Organics (C10-C28)				3.10					
leser Range Organics (C10-C26)	331	25.0	250	ND	132	38-132	15.1	20	



LCS Dup (2248014-BSD1)

Chloride

Prepared: 11/21/22 Analyzed: 11/23/22

20

## **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		chen Frey DM 9034-0009	[#11				Reported:
Artesia NM, 88210		Project Manager	: G	reg Crabtree				11	/28/2022 9:27:02AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248014-BLK1)							Prepared: 1	1/21/22 Ana	alyzed: 11/21/22
Chloride	ND	20.0							
LCS (2248014-BS1)							Prepared: 1	1/21/22 Ana	alyzed: 11/21/22
Chloride	257	20.0	250		103	90-110			

250

20.0

104

90-110

1.15

260

#### 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	11/28/22 09:27

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	Chai	n of Custody													Page/	of
Client: 606 Project: Acheu Fry DM 411 Project Manager: Greg Crabtree Address:	Attention: Address: City, State, Zip		Lab WO# E 2/11/17				Use Only Job Number /9054-0009 Analysis and Metho				10	2D	3D	Standard	EPA Pro	SDWA RCRA
City, State, Zip Phone: Email; I. Garcia B. Hall G. Crabtree T. Knight Report due by:	Phone: Email:		V4 080'0	8021	300.0	8260	0000	full TCLP w/o HEP	Semi-Volitiles 8270					NM CO	State UT AZ	TX
Time Sampled Date Sampled Matrix Tourisment Sample ID		Lab Number	DRO,GR	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TC	Semi-Vc	9	PCB's				Remarks	
14:33 11/15/12 5 1 CSG	-/	1	×	×	X											
14:59 1 1 C56	- 7	2	1	1	1											
14:45 CS6	- 3	3	П	Ш												
14:56 C56	- 4	4			Ш											
11:24 1074	16-1	5			1											
15:23 NTW	6-2	6														
16:05 NTU	16-3	7	Ш			Ш										
11:39 STW	6-1	8			1											
15:34 STW	6-2	9			1											
15:42 - I STW		lo	1	1	8											
× vis ice in coular y																
x date or time of collection is considered fraud and may be grounds for le	regal action. Sampled by: tuac Gaccia													d on ice the day to on subsequent day		d or received
The man might !	Received by: (Signature)	Date   Date	1	Time 15	:58	1	Recei	ved	on ic	e:	(v)		Only			
_ ii _ iii ii	ne Received by: (Signature)	Date		Time			T1 T2  AVG Temp °C 4:0					<u>T3</u>				
Sample Matrix: 5 - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other _		Container	Type	g - gi	ass, p			_	_		_	v - V	OA			

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Project l	nformation					Cha	in of Custody													Page_	$\frac{7}{2}$ of $\frac{7}{2}$			
Project:	GOG Ar401 F Manager:	Greg Cra	u ≝// abtree		A	Bill To ttention: ddress: ty, State, Zip		Lab E	wo:	1		120	Num	000	_		2D	TA 3D	Standar		Program SDWA RCRA			
City, Star Phone: Email: I. Report d	Garcia B. Ha	ll G. Crab	tree T. Kr	night	1 1	Phone: Email:		),ORO by	8021	1001	1001	1031	300.0	1360	010	Full TCLP w/o H&P	Semi-Volitiles 8270					NM (	State O UT A	X
Time Sampled	Date Sampled	Matrix	No. of Containing	Sample II			Lab Numbe	DRO,GRO	BTEX by 8021	Chloride 300.0	VOC 6y 8260	Metals 6010	Full TCLP	Semi-Vol	2	PCB's			1	Remark	5			
15:54 11115/12 5 1 STW 6-4				Ц	×	×	X				-				4	-								
								F						1	4	1		1						
														+				+						
× VĪ	s. ice m	cooler	-14																					
x date or time	of collection is co	nsidered fra	ud and may	be grounds fo	or legal action.	Sampled by: mass Sarcia													ved on ice the d Con subsequent		led or received			
Relinguished by: (Signature) Date Time				12/1201	15:56	Received by: (Signature) Received by: (Signature)	Date 	h	Time 15	: 58			ived (	on ice		(V)	N	Only			394			
Relinquished by: (Signature) Date Time Received by:				Received by: (Signature)	Date	Date Time AVG Temp °C 4+0																		
Note: Samp	ix: \$ - Soil, \$d - So les are discarde applicable only t	d 30 days	after result	s are report	ed unless other	arrangements are made. Hazardou this COC. The liability of the laborato	Containe s samples will b ry is limited to	retur	ned to	client	- po or di	ly/pla spose	stic, a	g - ar	mber	glass.	e. Th	OA ne repo	rt for the an	lysis of the	bove			

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envirotech Inc.

Printed: 11/21/2022 10:42:44AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

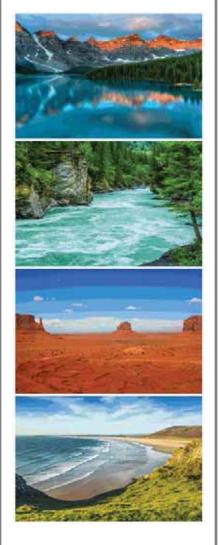
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	11/17/22 1:	5:58		Work Order ID:	E211117
Phone:	(575) 748-4217	Date Logged In:	11/18/22 0	8:11		Logged In By:	Caitlin Christian
Email:		Due Date:	11/28/22 1	7:00 (5 day TAT)			
	Custody (COC)		V				
	ne sample ID match the COC? ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?	ion the coc	Yes Yes	Ci I	- C:-		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Carrier: <u>Isaa</u>	c Garcia		
	Il samples received within holding time?	sied diidiy ses.	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		100	_		Comments	s/Resolution
	Curn Around Time (TAT)  e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
	Container .	· —	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contai		Yes				
Field Lal	•						
-	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: n	a		
Client I	struction						
	<del></del>						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Rayny Hagan

Technical Representative

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 14:39

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.

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

## NT1B 15 E211118-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		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	
Surrogate: n-Nonane		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	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT1B 16 E211118-02

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		108 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		108 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		109 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KI			Batch: 2248015
Chloride	1070	20.0	1		11/21/22	11/22/22	

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 2:39:27PM

## NT2B 17 E211118-03

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
Benzene	ND	0.0250	1	l	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	l	11/19/22	11/20/22	
Toluene	ND	0.0250	1	l	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	l	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	l	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	l	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		107 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2248004
Diesel Range Organics (C10-C28)	221	25.0	1	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	164	50.0	1	l	11/21/22	11/23/22	
Surrogate: n-Nonane		108 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2248015
	821	20.0	1		11/21/22	11/22/22	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT2B 18 E211118-04

		E211110 0.				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2248015
Chloride	2430	20.0	1	11/21/22	11/22/22	

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

## NT2W 6 E211118-05

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	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	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		107 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2248015
Chloride	1300	20.0	1	11/21/22	11/22/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT3B 11 E211118-06

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		97.9 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		109 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2248015
Chloride	1900	20.0	1	11/21/22	11/22/22	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT3B 12 E211118-07

Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Allaryte	Result	Liiiit	Diluti	on repared	Analyzed	rvotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		106 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2248015
Chloride	968	20.0	1	11/21/22	11/22/22	



 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

## NT3W 6 E211118-08

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2248015
Chloride	2070	20.0	1	11/21/22	11/22/22	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

#### ST2B 8 E211118-09

		L'211110-07				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Resuit	Liinit	ווווונם	on rrepared	Ananyzed	inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	At	nalyst: 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	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A.	nalyst: KL		Batch: 2248015
	2 2	0 0		•		



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

#### ST2W 6 E211118-10

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	l Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2248015
Chloride	923	20.0	1	11/21/22	11/22/22	

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

#### ST3B 8 E211118-11

		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		110 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2248015

40.0

2

11/21/22

11/22/22

4220



Chloride

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

#### ST3W 6 E211118-12

Dl4	Reporting	P.1		D	A l	N.A
Result	Limit	Dil	ution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst: IY			Batch: 2247121
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0500		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
	97.2 %	70-130		11/19/22	11/20/22	
	99.8 %	70-130		11/19/22	11/20/22	
	104 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
ND	20.0		1	11/19/22	11/20/22	
	97.2 %	70-130		11/19/22	11/20/22	
	99.8 %	70-130		11/19/22	11/20/22	
	104 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2248004
ND	25.0		1	11/21/22	11/23/22	
ND	50.0		1	11/21/22	11/23/22	
	108 %	50-200		11/21/22	11/23/22	
mg/kg	mg/kg		Analyst:	KL		Batch: 2248015
3070	40.0		2	11/21/22	11/22/22	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.2 %         99.8 %           104 %         mg/kg           ND         20.0           97.2 %         99.8 %           104 %         mg/kg           MD         25.0           ND         50.0           108 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.2 %         70-130           99.8 %         70-130           104 %         70-130           mg/kg         mg/kg           ND         20.0           97.2 %         70-130           99.8 %         70-130           104 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.2 %         70-130           99.8 %         70-130           104 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           99.8 %         70-130         1           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           108 %         50-200           mg/kg         Mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           99.8 %         70-130         11/19/22           104 %         70-130         11/19/22           104 %         70-130         11/19/22           99.8 %         70-130         11/19/22           99.8 %         70-130         11/19/22           104 %         70-130         11/19/22           104 %         70-130         11/19/22           104 %         70-130         11/19/22           ND         25.0         1         11/19/22           ND         50.0         1         11/21/22           ND         50.0         1         11/21/22 <t< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Interpared         Analyzed           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           97.2 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22</td></t<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Interpared         Analyzed           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           97.2 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22           104 %         70-130         11/19/22         11/20/22



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20222:39:27PM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				11	/28/2022 2:39:27PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247121-BLK1)							Prepared: 1	1/19/22 Ana	lyzed: 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: 1	1/19/22 Ana	lyzed: 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: 1	1/19/22 Ana	lyzed: 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			
-									

0.500

70-130



Surrogate: Toluene-d8

0.521

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20222:39:27PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Ana	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247121-BLK1)						Prepared: 11	/19/22 Analyz	ed: 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 Analyz	ed: 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 Analyz	ed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 2:39:27PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					1/28/2022 2:39:2/PI	
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO		Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2248004-BLK1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22	
Diesel Range Organics (C10-C28)	ND	25.0								
il Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	53.8		50.0		108	50-200				
LCS (2248004-BS1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22	
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132				
urrogate: n-Nonane	53.3		50.0		107	50-200				
Matrix Spike (2248004-MS1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22	
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132				
urrogate: n-Nonane	51.0		50.0		102	50-200				
Matrix Spike Dup (2248004-MSD1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22	
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20		
urrogate: n-Nonane	53.7		50.0		107	50-200				



Matrix Spike Dup (2248015-MSD1)

Chloride

## **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number Project Manager	: 19	chen Frey DM 9034-0009 reg Crabtree	I #11			1	<b>Reported:</b> 11/28/2022 2:39:27PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				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: 1	1/21/22 At	nalyzed: 11/22/22
Chloride	ND	20.0							
LCS (2248015-BS1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
Chloride	245	20.0	250		98.2	90-110			
Matrix Spike (2248015-MS1)				Source:	E211118-(	)1	Prepared: 1	1/21/22 Ar	nalyzed: 11/22/22
Chloride	1450	20.0	250	1210	94.7	80-120			

250

20.0

Source: E211118-01

111

80-120

2.83

#### 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.



Prepared: 11/21/22 Analyzed: 11/22/22

20

## **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	11/28/22 14:39

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.



	letie I					1																	
Client:	Johan F	· · · · · · ·	,211	_		Bill To			-				se Or	_					TA				rogram
Project N		Greg Cri			- 1	Attention: Address:			Lab	woi	118			Num	ber oo∈	.0	1D	2D	3D		andard	CWA	SDWA
Address:				<b>1</b>		City, State, Zip			-	. / 1/	10	_	_		nd Me	_	-	_	_		_		RCRA
City, State	, Zip					Phone:			$\vdash$			Г	1					- 1					X
Phone:			COLOR DE COLOR			Email:			à					9	270				ш			State	
Email: L. Report du	Garcia B. Hal	I G. Crab	tree T. Kn	ight	_				ONO by	021	300.0	8	9	full TCLP w/o H&P	iles 8						NM CO	UT AZ	TX
Time	I		No. of		_			Lab	GRO	å	ide.	by 82	Wetals 6010	60	Volle		1				X	$\perp$	
Sampled	Date Sampled	Matrix	Containers	Sample ID	10		N	umber	8015	BTEX by 8023	Chloride	VOC by 8260	Meta	Full 7	Semi-Volitiles 8270	D.	POP					Remarks	
13:57	11/16/22	5	1	107	113	15		1	×	×	X												
13:59	(	1	1	NT	131	<b>'</b> '		2	(	)	1												
14:02				NT	2131-	7		3															
14.04				NTO	231	8		4															
14:09				NTO	20	6		5															
14:11				NI	3 13 1	1		6															
14:14				NT	3 13 1	2		7															
14:18				NT	3 W	4		8															
4:16		$\perp$		STZ	_ 13 8	7		9		Ш	П												
14:29	4	V	4	STZ	WG			10	1	-	4												
× V	is, ice iv	Lcoole	r ZM																				
x date or time	of collection is co	nsidered fra	ud and may b	oe grounds fo	r legal action	Sampled by: hase Garda															ice the day the Asequent days	y are sampled	or received
Relinquishe	f by: (Signature	)	Date ////		15.5%	Received by: (Signature)	Date	Inh		lime /	2:2	8	Rece	ived (	on ice	ar.	(Y)		Only				
	d by: (Signature	(Signature) Date Time Received by: (Signature) Date Time			3																		
Relinquished by: (Signature) Date Time Received by: (Signature)			Date	K)		lime			AVG	Tems	or 6					- 4							
Sample Matri	x: \$ - Soil, \$d - So	lid, Sg - Slud	ge, A - Aqueo	ous, O - Other			Cor	ntainer	Type:	a - pi	ass. e							v. V	OA	-	_		
Note: Samp samples is a	les are discarde pplicable only t	d 30 days o those sa	after results mples recei	are reporte ved by the k	d unless o aboratory v	ther arrangements are made. Hazardous with this COC. The liability of the laboratory	samples	will be	return	ed to	client	or di	sposed	of at	the cli	ent e	xpens	e. Th	е геро	et for	the analysi	s of the abo	ove

Page 22 of 24

Project In	nformation					Ch	ain of Custody														Page _ Z	_ of _ <
Client:	606					Bill To		T		L	ab U	se O	nly					T/	AT		EPA P	rogram
		Greg Cra	btree	_		Attention: Address: City, State, Zip		E ab	wo. 2///	18		100	Num SY-	2000		1D	2D	3D	_	andard	CWA	SDWA
City, Stat Phone:		I.G. Cenh	troo T Vo	laht		Phone: Email:		,4qc			Γ	1			-						State	X
Report d		i G. Crab	u ee i. Kii	iggrit.				GRO,ORO by	8021	3000	1260	010	w/o	itles					1 8	NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	9 2	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volisites 8270	Du	PCB's			100		Remarks	
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	of collection is cor ed by: (Signature		Date		lime	Received by: (Signature)	Date   11/17/2	11	Time	:48	,					Ja	b Use	Only		absequent days		
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Relinquishe	ed by: (Signature	)	Date		ime	Received by: (Signature)	Date		Time			AVG	Tom	. 0,-		)			- 1	13		
Sample Mate	rix: S - Soil, Sd - Soi	lid, Sg - Sludi	ge, A - Aquec	us, O - Other			Containe	Type	2 - 0	lass i							v.1	OA	-			
Note: Samp	ples are discarde	d 30 days a	after results	are reporte	d unless o boratory	ther arrangements are made. Hazardo with this COC. The liability of the laborat	us samples will be	return	ned to	client	tord	spose	d of at	the c	lient e	xpens	e. Th	e repo	ort for	the analysi	s of the abo	ove

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

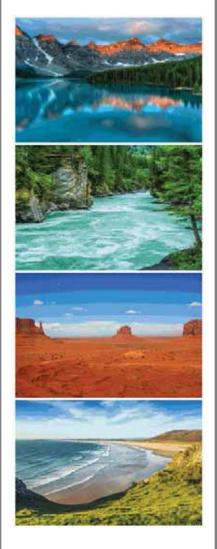
Instructions: Please take note of any NO checkmarks.

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.

3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 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? 7. Was a sample cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(so) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 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? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers? 20. Were field sample labels filled out with the minimum information: 21. Sample ID? 22. Sample ID? 23. Gollected in the correct containers? 24. Yes 25. Sample ID? 26. Were field sample labels filled out with the minimum information: 28. Sample ID? 29. Date/Time Collected? 29. Yes 29. Date/Ti	Client:	EOG Resources	Date Received:	11/17/22	15:58		Work Order ID:	E211118
Chain of Custndy (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling sile location match the COC 4. Was the COC complete, i.e., signatures, dates times, requested analyses? 4. Was the COC complete, i.e., signatures, dates times, requested analyses? 5. Were all samples received within holding time? Note Analysis, such apt Pwitch 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? 8. If yes, was cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample's received in good condition? 9. Was the sample's received induct, i.e., not broken? 10. Were custedly-security seals intact? 11. If yes, were custodly-security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received with 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6° am (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Ouver field sample labels filled out with the minimum information: 18. Are non-VOC samples collected in the correct containers of yes 19. Ouver field sample labels filled out with the minimum information: 19. Sample Preservation 21. Does the COC or field labels indicance the samples were preserved? 10. Ouver field sample labels filled out with the minimum information: 10. Sample Preservation 21. Does the COC or field sample labels filled out with the minimum information: 10. Sample Preservation 22. Are samples have more than one phase, i.e., multiphase? 12. Are samples have more than one phase, i.e., multiphase? 13. If any does the COC specify which phase(s) is to be an	Phone:	(575) 748-4217	Date Logged In:	11/18/22	08:13		Logged In By:	Caitlin Christian
1. Does the sample ID match the COC? 2. Does the number of sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, datestylines, requested analyses? 5. Were all samples received within boding time? 5. Were all samples received within boding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Did the COC indicates standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note. Thermal preservation is not required, if samples are received wil 15 nainosed sampling 13. If no visible (ex, record the temperature. Actual sample temperature: 4°C Note. Thermal preservation is not required, if samples are received wil 15 nainosed sampling 13. If no visible (ex, record the temperature. Actual sample temperature: 4°C Note. Thermal preservation is not required, if samples are received wil 15 nainosed sampling 13. If no visible (ex, record the temperature. Actual sample temperature: 4°C Note. Thermal preservation is not required, if samples are received wil 15 nainosed sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Note. Thermal preservation is not required in the correct containers? 14. Are anon-Not Camples collected in the correct containers? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-Not Coamples collected in the correct containers? 19. Is the appropriate volume-weight or number of sample containers collected? 20. Were field Lande in the correct containers? 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples	Email:		Oue Date:	11/28/22	17:00 (5 day TAT)			
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11. If yes, were custody/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wil 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?  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?  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? Date/Time Collected? Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? NA  43. Is lab filteration required and/or requested for dissolved metals? No  Multiphase Sample Matrix  Collectors  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  Subcontract Laboratory  29. Was a subcontract laboratory specified by the client and if so who? NA  Subcontract Lab: na								
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Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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## Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutodi
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 17:39

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.



 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022
 5:39:35PM

#### CS294 - 6 E211119-01

		E211117-01				
	D 1	Reporting	D.1 .			N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		99.8 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: KL		Batch: 2248011
Chloride	1160	20.0	1	11/21/22	11/24/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS295 - 6 E211119-02

		E211119-02					
	D. I.	Reporting			D 1		N.
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
Benzene	ND	0.0250	1	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	l	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2248004
Diesel Range Organics (C10-C28)	375	50.0	2	2	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	633	100	2	2	11/21/22	11/23/22	
Surrogate: n-Nonane		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	1	11/21/22	11/24/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 5:39:35PM

CS282 - 6 E211119-03

		E211119-03					
	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		105 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2248011
Chloride	1130	20.0	1		11/21/22	11/24/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

## CS283 - 6

		E211119-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane	·	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	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 5:39:35PM

#### CS305 - 6 E211119-05

		E211119-03					
Andre	D14	Reporting Limit	Dilu		D 1	A I 1	Natar
Analyte	Result	Limit	Dilu	ıııon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
Benzene	ND	0.0250	1	1	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	1	11/19/22	11/20/22	
Toluene	ND	0.0250	1	1	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	1	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	1	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	1	11/21/22	11/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/21/22	11/24/22	
Surrogate: n-Nonane		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	1	11/21/22	11/24/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS306 - 6 E211119-06

D. I	Reporting	D.11		D 1		N.
Result	Limit	Dıl	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0500		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	95.6 %	70-130		11/19/22	11/20/22	
	109 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
ND	20.0		1	11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	95.6 %	70-130		11/19/22	11/20/22	
	109 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2248004
ND	25.0		1	11/21/22	11/24/22	
ND	50.0		1	11/21/22	11/24/22	
	107 %	50-200		11/21/22	11/24/22	
mg/kg	mg/kg		Analyst:	KL		Batch: 2248011
843	20.0		1	11/21/22	11/24/22	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.6 %         95.6 %           109 %         109 %           mg/kg         mg/kg           ND         20.0           97.6 %         95.6 %           109 %         109 %           mg/kg         mg/kg           ND         25.0           ND         50.0           107 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.6 %         70-130           95.6 %         70-130           109 %         70-130           97.6 %         70-130           97.6 %         70-130           95.6 %         70-130           109 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.6 %         70-130           95.6 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           97.6 %         70-130         1           95.6 %         70-130         1           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           107 %         50-200           mg/kg         Mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           97.6 %         70-130         11/19/22           109 %         70-130         11/19/22           109 %         70-130         11/19/22           97.6 %         70-130         11/19/22           95.6 %         70-130         11/19/22           109 %         70-130         11/19/22           109 %         70-130         11/19/22           109 %         70-130         11/19/22           ND         25.0         1         11/19/22           ND         50.0         1         11/21/22           ND         50.0         1         11/21/22 <t< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         I1/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           97.6 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IV         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22</td></t<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         I1/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           97.6 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IV         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22           109 %         70-130         11/19/22         11/20/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS342 - 6 E211119-07

Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
			1			Batch: 2247121
		1		11/19/22	11/20/22	Buttin 22 1 / 12 1
		1		11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
ND	0.0250	1	l	11/19/22	11/20/22	
ND	0.0500	1	ļ	11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
	95.9 %	70-130		11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg	A	Analyst: I	Y		Batch: 2247121
ND	20.0	1		11/19/22	11/20/22	
	95.9 %	70-130		11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg	A	Analyst: JI	L		Batch: 2248004
ND	25.0	1		11/21/22	11/24/22	
ND	50.0	1		11/21/22	11/24/22	
	109 %	50-200		11/21/22	11/24/22	
mg/kg	mg/kg	A	Analyst: K	IL		Batch: 2248011
	ND ND ND mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           95.9 %         97.6 %           105 %         105 %           mg/kg         mg/kg           ND         20.0           95.9 %         97.6 %           105 %         105 %           mg/kg         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilu           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           95.9 %         70-130           97.6 %         70-130           mg/kg         mg/kg           ND         20.0         1           95.9 %         70-130           97.6 %         70-130           105 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analyst: I'           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130         1           97.6 %         70-130         70-130           mg/kg         mg/kg         Analyst: I'           ND         20.0         1           97.6 %         70-130         70-130           105 %         70-130         1           mg/kg         mg/kg         Analyst: I'           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         70-130         11/19/22           97.6 %         70-130         11/19/22           105 %         70-130         11/19/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22           97.6 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           ND         25.0         1         11/21/22           ND         50.0	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Interpretable of the property of the propert



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20225:39:35PM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				1	1/28/2022 5:39:35Pl
	V	olatile Organ	ic Compo	unds by EP	A 8260	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247121-BLK1)							Prepared: 11	1/19/22 An	alyzed: 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	1/19/22 An	alyzed: 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			
o,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: 1	1/19/22 An	alyzed: 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	
p-Xylene	2.28	0.0250	2.50		91.0	70-130	4.68	27	
o,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			

0.500

70-130



Surrogate: Toluene-d8

0.521

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20225:39:35PM

Nonhalogenated	Organics by	<b>EPA</b>	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247121-BLK1)						Prepared: 1	1/19/22 Ar	alyzed: 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: 1	1/19/22 Ar	alyzed: 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: 1	1/19/22 Ar	alyzed: 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			



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20225:39:35PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	1/28/2022 5:39:35PI
	Nonha	logenated Or	Analyst: JL						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248004-BLK1)							Prepared: 1	1/21/22 An	alyzed: 11/23/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.8		50.0		108	50-200			
LCS (2248004-BS1)							Prepared: 1	1/21/22 An	alyzed: 11/23/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2248004-MS1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 An	alyzed: 11/23/22
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
urrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2248004-MSD1)				Source:	E211118-(	)4	Prepared: 1	1/21/22 An	alyzed: 11/23/22
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
'urrogate: n-Nonane	53.7		50.0		107	50-200			

Matrix Spike Dup (2248011-MSD1)

Chloride

295

## **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	: 1	schen Frey DM 9034-0009 Greg Crabtree	ſ#11			1	<b>Reported:</b> 1/28/2022 5:39:35PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				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 (2248011-BLK1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/28/22
Chloride	ND	20.0							
LCS (2248011-BS1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/28/22
Chloride	271	20.0	250		109	90-110			
Matrix Spike (2248011-MS1)				Source:	E211096-	01	Prepared: 1	1/21/22 Ar	nalyzed: 11/28/22
Chloride	290	20.0	250	ND	116	80-120			

250

20.0

Source: E211096-01

118

80-120

1.49

ND

#### 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.



Prepared: 11/21/22 Analyzed: 11/28/22

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## **Definitions and Notes**

EOG Resources	Project Name:	Achen Frey DM #11		l
104 South 4th Street	Project Number:	19034-0009	Reported:	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 17:39	

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 I	nformation						Chai	n of Custo	yt														Page 1	of
Client: Project N Project N Address:	Achen Manager:	Frey / Greg	Zuc ₽ Crabtr	Z// ee	=		Bill To Attention: Address: ity, State, Zip	====		Lab E 2	wor	1 119		190	Num 214-	ber coo	_		2D	T/	Sta	ndard	EPA F	SDWA
City, Stat Phone:	te, Zip Garcia B. I	iall G. Cr	rabtree	e T. Kn	ight		hone: mail:			GRO, OHO Sy	1001	300.0	260		Full TCLP w/o H&P	Semi-Voltifles 8270	cuioc					VM CO	State UT AZ	X
Time Sampled	Date Sample	Matri		No. of intainers	Sample ID			Lab Numb			0TEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP	Semi-Voli	NO	PCB's				<u> </u>	Remarks	
14:56	11/16/20	- 5		1	CS	294-1	5	1		X	×	Y												
15:00	1	1	$\perp$	1	C57	295-6		2	1	1	1	1												
14:49		11	_		C5 8	182-1		3	1	1	1													
14:53		$\Box$	$\perp$		C5 3	283-6		4	1	1	1													
15:05		11	4			305-		5		1		1												
15:08			$\perp$			306-		6	1	1	Ш													
15:16	1			1	CS :	342-	6	7	-	2	1	+					+	-	Н	+	+			
									7	-		4							-	4	1			
× VIS	ice in	cooler	-	-				-	_		_		_	Sample	requir	ing ther	mal pre	senati	on must	t be rece	rived on i	ce the day th	ny arit sample	nd or received
Relinquishe	of collection is ed by: (Signati	ure)	fraud ac	Date ////	Mose	12:32	Received by: (Signature)	Date 11/17/	n	1	lime K	:58		Rece					b Use	e Only	50000	nequent day		
Relinquished by: (Signature) Date Time		lime	Received by: (Signature)	Date		Time				T1			201 	T2			T	3						
Relinquishe	d by: (Signati	are)		Oate		Time	Received by: (Signature)	Date		1	lime			AVG	Tem	o°C	40	)						
	ix: S - Soil, Sd -					d unless set		Contain	ier T	ype:	g-g	lass, p	- po	ly/pla	stic,	ag - a	mber	glass	, v - \	/OA	100			
samples is	applicable on	y to those	sample	es receiv	ved by the la	boratory wit	er arrangements are made. Hazardous h this COC. The liability of the laborator	ry is limited to	oe re	amo	unt p	client aid for	on th	ne rep	ort.	the c	ient e	expens	ie, Ti	ne repo	ort for t	the analys	s of the al	love

Page 17 of 18

envirotech Inc.

Printed: 11/18/2022 1:33:10PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

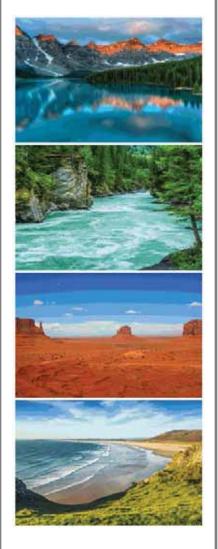
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources	Date Received:	11/17/22 1	5:58		Work Order ID:	E211119
Phone:	(575) 748-4217	Date Logged In:	11/18/22 0	8:14		Logged In By:	Caitlin Christian
Email:		Due Date:	11/28/22 1	7:00 (5 day TAT)	)		
Chain of	Custody (COC)						
	Custody (COC)		Vag				
	he sample ID match the COC? he number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?	ion the coc	Yes Yes	Camian	Isaaa Camaia		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier.	Isaac Garcia		
	Il samples received within holding time?	sied dialyses.	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•				Comment	s/Resolution
Sample 7	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	te sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container	- I	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	bel						
•	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	Pate/Time Collected?		Yes		L		
	follectors name?		Yes				
	Preservation the COC or field labels indicate the samples were p	ragamiad?	No				
		reserveu?	No NA				
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	netals?	No				
	•	ileuis.	140				
•	ase Sample Matrix		N.T.				
	the sample have more than one phase, i.e., multipha		No				
	, does the COC specify which phase(s) is to be analy	yzeur	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract La	ab: na		
Client I	<u>nstruction</u>						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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**

Γ	EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
ı	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

## CS4-1

#### E211063-01

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0500	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
	103 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
ND	20.0	1	11/11/22	11/14/22	
	93.6 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2246081
ND	25.0	1	11/14/22	11/14/22	
ND	50.0	1	11/14/22	11/14/22	
	109 %	50-200	11/14/22	11/14/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2246087
676	20.0	1	11/11/22	11/15/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0           93.6 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           109 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           109 %         50-200           mg/kg         Mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0500         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22           mg/kg         mg/kg         Analyst: IJ           ND         25.0         1         11/11/22           ND         25.0         1         11/14/22           ND         50.0         1         11/14/22           ND         50.0         1         11/14/22           mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0500         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY         III/14/22           ND         20.0         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IV         III/14/22         III/14/22           ND         20.0         1         11/11/22         11/14/22           ND         25.0         1         11/14/22         11/14/22           ND         50.0         1         11/14/22         11/14/22           ND         50.0         1         11/14/22         11/14/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### **CS4-2**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		111 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246087
Chloride	494	20.0	1	11/11/22	11/15/22	_

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### **CS4-3**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		111 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2246087
Chloride	1270	20.0	1	11/11/22	11/15/22	

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### **CS4-4**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2246087
Chloride	406	20.0	1	11/11/22	11/15/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### CS5-1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		113 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2246087
Chloride	5280	100	5	11/11/22	11/15/22	



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#### **CS5-2**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		113 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2246087
Chloride	6100	100	5	11/11/22	11/15/22	•



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#### **CS5-3**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2246087
Chloride	7340	100	5	11/11/22	11/15/22	



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#### CS5-4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		112 %	50-200	11/14/22	11/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246087
Chloride	7750	200	10	11/11/22	11/15/22	



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### NTW 4-1 E211063-09

		E211003-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		110 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2246087
Chloride	7610	400	20	11/11/22	11/15/22	



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### NTW 4-2 E211063-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		114 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2246087
Chloride	3280	40.0	2	11/11/22	11/15/22	



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### NTW 4-3 E211063-11

	L211005 11				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0500	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
	103 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
ND	20.0	1	11/11/22	11/14/22	
	93.4 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2246081
ND	25.0	1	11/14/22	11/15/22	
ND	50.0	1	11/14/22	11/15/22	
	109 %	50-200	11/14/22	11/15/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2246087
3320	40.0	2	11/11/22	11/15/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           93.4 %         mg/kg           ND         25.0           ND         50.0           109 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           mg/kg         mg/kg         Analy           ND         20.0         1           93.4 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           109 %         50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Manalyst: IY           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0500         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         11/14/22           ND         50.0         1         11/14/22           ND         50.0         1         11/14/22           Mg/kg         Mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0500         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IJL         ND         25.0         1         11/11/22         11/14/22         11/15/22           ND         25.0         1         11/14/22         11/15/22         11/15/22           ND         50.0         1         11/14/22         11/15/22           ND         50.0         1         11/14/22         11/15/22           Mg/kg         Mg/kg         Analyst: RAS </td



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### NTW 4-4 E211063-12

		E211003-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
. Ilm., ve				*		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		111 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2246087
Chloride	740	20.0	1	11/11/22	11/15/22	·



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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	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		115 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246087
Chloride	1430	40.0	2	11/11/22	11/15/22	



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### NTW 5-2 E211063-14

		E211005-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		128 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2246087
Chloride	1250	40.0	2	11/11/22	11/15/22	



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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	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		115 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246087
Chloride	3420	100	5	11/11/22	11/15/22	



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### NTW 5-4 E211063-16

	1211005 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2246069
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
ND	0.0500	1	11/11/22	11/14/22	
ND	0.0250	1	11/11/22	11/14/22	
	106 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2246069
ND	20.0	1	11/11/22	11/14/22	
	97.3 %	70-130	11/11/22	11/14/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2246081
208	25.0	1	11/14/22	11/15/22	
140	50.0	1	11/14/22	11/15/22	
	116 %	50-200	11/14/22	11/15/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2246087
8080	400	20	11/11/22	11/15/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 208 140	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         20.0250           MD         20.0           97.3 %         mg/kg           mg/kg         mg/kg           208         25.0           140         50.0           II6 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Analy           ND         20.0         1           97.3 %         70-130           mg/kg         mg/kg         Analy           208         25.0         1           140         50.0         1           116 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0500         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22           mg/kg         mg/kg         Analyst: IJ           mg/kg         mg/kg         Analyst: JL           208         25.0         1         11/14/22           140         50.0         1         11/14/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0500         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           ND         0.0250         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY         11/11/22         11/14/22           mg/kg         mg/kg         Analyst: IY         11/14/22         11/15/22           mg/kg         mg/kg         Analyst: IY         11/14/22         11/15/22           mg/kg         mg/kg         Analyst: JL         11/14/22         11/15/22           mg/kg         mg



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

### STW 4-1

		E211063-17					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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		
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/11/22	11/14/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2246069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	11/11/22	11/14/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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		
Surrogate: n-Nonane		115 %	50-200	11/14/22	11/15/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2246087	
Chloride	3890	40.0	2	11/11/22	11/15/22		



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### STW 4-2

		E211063-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		113 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2246087
Chloride	8110	100	5	11/11/22	11/15/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### STW 4-3 E211063-19

		E211063-19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anaryte	Result	Lillit	Dilution	1 repared	Analyzed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2246069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/11/22	11/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		120 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2246087
Chloride	7180	200	10	11/11/22	11/15/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

### STW 4-4

		E211063-20					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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		
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/11/22	11/14/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2246069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/14/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	11/11/22	11/14/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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		
Surrogate: n-Nonane		127 %	50-200	11/14/22	11/15/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2246087	
Chloride	11900	400	20	11/11/22	11/15/22		



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

### STW 5-1 E211063-21

		1211005 21				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
o,m-Xylene	ND	0.0500	1	11/11/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/11/22	11/15/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2246089
Chloride	5290	40.0	2	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

### STW 5-2

		E211063-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		107 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2246089
Chloride	8390	40.0	2	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

### STW 5-3 E211063-23

		E211003-23				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		141 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246089
Chloride	9200	400	20	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

#### STW 5-4

		E211063-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		132 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2246089
Chloride	8610	400	20	11/11/22	11/16/22	



Surrogate: 4-Bromochlorobenzene-PID

8.16

### **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 11/16/2022 5:32:51PM

104 South 4th Street Artesia NM, 88210		Project Number: Project Manager:		0034-0009 reg Crabtree				1	1/16/2022 5:32:51PM
Volatile Organics by EPA 8021B Analyst: IY									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246069-BLK1)							Prepared: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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	

8.00

70-130



# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	•
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

Artesia NM, 88210		Project Manager:		eg Crabtree				1	1/16/2022 5:32:51PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246071-BLK1)							Prepared: 1	1/11/22 Ana	alyzed: 11/14/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 1	1/11/22 Ana	alyzed: 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			
o,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: 1	1/11/22 Ana	alyzed: 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	
Foluene	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	
o,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: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	·
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

Artesia NM, 88210		Project Manager		eg Crabtree				11/1	6/2022 5:32:51PM
	Non	halogenated (	Organics l	oy EPA 801	[5D - G]	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246069-BLK1)						]	Prepared: 1	1/11/22 Analy	zed: 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: 1	1/11/22 Analy	zed: 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)						1	Prepared: 1	1/11/22 Analy	zed: 11/14/22
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.7	70-130	10.9	20	

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

7.90

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/16/20225:32:51PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				11/1	6/2022 5:32:51PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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
Blank (2246071-BLK1)							Prepared: 1	1/11/22 Analy	zed: 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: 1	1/11/22 Analy	zed: 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: 1	1/11/22 Analy	zed: 11/15/22
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130	1.71	20	

8.00

70-130

### **QC Summary Data**

 EOG Resources
 Project Name:
 Achen Frey DM #11
 Reported:

 104 South 4th Street
 Project Number:
 19034-0009

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/16/2022
 5:32:51PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					11/16/2022 5:32:51Pl
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246081-BLK1)							Prepared: 1	1/14/22 Ar	nalyzed: 11/14/22
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.7		50.0		107	50-200			
.CS (2246081-BS1)							Prepared: 1	1/14/22 Ar	nalyzed: 11/14/22
riesel Range Organics (C10-C28)	244	25.0	250		97.7	38-132			
urrogate: n-Nonane	54.3		50.0		109	50-200			
Matrix Spike (2246081-MS1)				Source:	E211063-1	16	Prepared: 1	1/14/22 Ar	nalyzed: 11/14/22
tiesel Range Organics (C10-C28)	372	25.0	250	208	65.6	38-132			
urrogate: n-Nonane	55.4		50.0		111	50-200			
Matrix Spike Dup (2246081-MSD1)				Source:	E211063-1	16	Prepared: 1	1/14/22 Ar	nalyzed: 11/14/22
tiesel Range Organics (C10-C28)	379	25.0	250	208	68.3	38-132	1.80	20	
urrogate: n-Nonane	56.1		50.0		112	50-200			

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

2 5:32:51PN	11/16/2022 5					eg Crabtree	:: Gro	Project Manager		Artesia NM, 88210
st: JL	Analyst: J			ORO	- DRO/	EPA 8015D	ganics by I	ogenated Org	Nonhal	
		RPD Limit	RPD	Rec Limits	Rec	Source Result	Spike Level	Reporting Limit	Result	Analyte
Notes	No	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	
11/15/22	Analyzed: 11/	1/14/22 Aı	Prepared: 1							Blank (2246083-BLK1)
								25.0	ND	Diesel Range Organics (C10-C28)
								50.0	ND	Oil Range Organics (C28-C36)
				50-200	118		50.0		59.0	Surrogate: n-Nonane
11/15/22	Analyzed: 11/	1/14/22 Aı	Prepared: 1							LCS (2246083-BS1)
				38-132	103		250	25.0	257	Diesel Range Organics (C10-C28)
				50-200	123		50.0		61.7	Surrogate: n-Nonane
11/15/22	Analyzed: 11/	1/14/22 Aı	Prepared: 1	0	E211065-10	Source:				Matrix Spike (2246083-MS1)
				38-132	109	ND	250	25.0	271	Diesel Range Organics (C10-C28)
				50-200	127		50.0		63.4	Surrogate: n-Nonane
11/15/22	Analyzed: 11/	1/14/22 Aı	Prepared: 1	0	E211065-10	Source:				Matrix Spike Dup (2246083-MSD1)
		20	3.90	38-132	113	ND	250	25.0	282	Diesel Range Organics (C10-C28)
				50-200	132		50.0		65.8	Surrogate: n-Nonane
: !	Analyzed			50-200 <b>0</b> 38-132	127 <b>E211065-1</b> 0	Source:	50.0		63.4	rrogate: n-Nonane  (atrix Spike Dup (2246083-MSD1)  esel Range Organics (C10-C28)



Chloride

## **QC Summary Data**

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 5:32:51PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				11/	16/2022 5:32:51PM
		Anions	by EPA 3	00.0/9056	<b>\</b>			I	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: 1	1/11/22 Anal	yzed: 11/15/22
Chloride	ND	20.0							
LCS (2246087-BS1)							Prepared: 1	1/11/22 Anal	yzed: 11/15/22
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2246087-MS1)				Source:	E211063-	09	Prepared: 1	1/11/22 Anal	yzed: 11/15/22
Chloride	7360	400	250	7610	NR	80-120			M4
Matrix Spike Dup (2246087-MSD1)				Source:	E211063-	09	Prepared: 1	1/11/22 Anal	yzed: 11/15/22

250

7610

80-120

0.676

400



### **QC Summary Data**

EOG Resources		Project Name: Achen Frey DM #11 Project Number: 19034-0009							Reported:
Artesia NM, 88210		Greg Crabtree			11/16/2022 5:32:51PM				
		Anions	by EPA	300.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246089-BLK1)							Prepared:	11/11/22 A	nalyzed: 11/15/22
Chloride	ND	20.0							
LCS (2246089-BS1)							Prepared:	11/11/22 A	nalyzed: 11/15/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2246089-MS1)				Source:	E211062-2	22	Prepared:	11/11/22 A	nalyzed: 11/15/22
Chloride	278	20.0	250	25.3	101	80-120			
Matrix Spike Dup (2246089-MSD1)				Source:	E211062-2	22	Prepared:	11/11/22 A	nalyzed: 11/15/22
Chloride	279	20.0	250	25.3	102	80-120	0.328	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**

ſ	EOG Resources	Project Name:	Achen Frey DM #11	
l	104 South 4th Street	Project Number:	19034-0009	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/22 17:32

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 Ir	n of Custody													,	Page _/_	of _3_						
Client:	1206	Sec. 11.12 21	200			Bill To			255	L	ab U	se Or	nly			П		Т	TAT		EPA P	rogram
Project:	Achen Fr	rey DK	1211		/	Attention:		Lab	WO#	#		Tioh	Num	ber		1D	2D	3D		tandard	CWA	SDWA
Project N	Manager:	Greg Cra	btree			Address:		EZ	2110	<u>00</u>	13	190	34-0	009				×				
Address:					5	City, State, Zip							ysis a			d				Fig. 1		RCRA
City, Stat	e, Zip				1 3 1	Phone:		A C			T	T								170		X
Phone:	4 5	77			J. J.	Email:		<u>à</u>				1	80	8270			1				State	
	Garcia B. Ha	II G. Crab	tree T. Kr	night	3/1			0%0	17	0.0	8	9	10/				1	1		NM CO	UT AZ	TX
Report d	ue by:						1	80,0	94 80	Je 3(	y 82	9	4	/oliti				1		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	0		Lab Number	DRO,G 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles	RG	PCB's		L			Remarks	ă [
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12:15	7	1	1	<u> </u>	NTW 4	1-7_	10	F	7	#				$\sqcap$	П		$\vdash$	$\vdash$	Н			
x						2.70		سا														
x date or time	e of collection is co	onsidered fr	aud and may	be grounds	for legal action.	Sampled by: Isaac Garcia				168										on ice the day the		ed or received
Relinguished by: (Signature)  Date  Time  Regelved by: (Signature)  (1/11/2022 9:48  Regelved by: (Signature)						Date / / / / /	27	Time	49	7	Rec	eived	on i	co.		ab Us	se On	ıly	20			
Relinquished by: (Signature) Date Time			Received by: (Signature)	Date	00	Time			T1	Elveu	On it		TZ	7 11			тз					
Relinquish	ed by: (Signature	e)	Date	5	Time	Received by: (Signature)	Date															
Sample Matrix: S - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other Cont					Containe	r Type	e: g - 1	glass,						r gla	ss. v -	VOA						
						ner arrangements are made. Hazardous								t the c	client	expe	nse. 1	The re	port f	or the analy	sis of the al	bove

Page 39 of 42

Project I	nformation					Chai	n of Custody														Page <u>C</u>	of <u></u> 5
	Achen Fre Manager:	Greg Cra	≠// abtree		T S	Bill To Attention: Address: City, State, Zip Phone: Email:  Lab Number			Lab WO# E 2110U3				Use Only Job Number /9034-009 Analysis and Method				2D	TA'	Standard		EPA P	SDWA RCRA
City, Star Phone:	te, Zip Garcia B. Ha	II G. Crab	tree T. K	night					8021	300.0	8260		Full TCLP w/o H&P							NM CO	State UT AZ	1×
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO,GF	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCI	Semi-V	ē	PCB's					Remarks	io
12:22	11/9/12	5	1	NI	w4-	3	11	1	×	*							L					
12:30		-1	1	NTO	W4-	4	12	4	1	1							L	Ш				
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12,59				NIC	w 5-	5	15			Ш												25-111
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14:53	1	+	+		4-4		20	1	12	4												
x												1										
x date or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Issac 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.									
Relinguished by: (Signature)  Date Time									72 8:49			Lab Use Only Received on ice:										
Relinquished by: (Signature) Date Time					Time	Received by: (Signature)	Date	Time				<u>T1                                    </u>										
Relinquished by: (Signature) Date Time						Received by: (Signature)	Date		AVG Temp °C_4_								2 14					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
						ther arrangements are made. Hazardou with this COC. The liability of the laborato								t the	client	expe	nse.	The rep	ort for	the analy	ils of the a	bove

Page 40 of 42

Project Ir	nformation						Chain of	f Custody													,	Page 3	_ or _2	
Client: EOG							Bill To					ab Us	se On	ly	7.3V				TA	T		EPA Program		
Project:	Achenta	es Am	17//			Attention:										$\neg$	1D 2	2D	3D	0.50410		CWA	SDWA	
	Manager:	Greg Cra	abtree		100	Address:			F	211	111/103		Job Number /9034-0009			9			X				-	
Address:						City, State, Zip				att.		-	Analysis and Method				d			$\neg$	5		RCRA	
City, Stat					P.C.	Phone:							$\Box$				$\Box$				X			
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Email: 1.	Garcia B. Ha	II G. Crab	tree T. K	night		Email:				l z	0.0			9	68				/ I	- [	NM CO	UT AZ	TX	
Report due by:										805	e 30	826	601	A A	HE I	- 1	. 1			. [	X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)			Lab Number	DRO,GRO, 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles	D2	PCB's		Ш			Remarks		
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x date or time	e of collection is co	onsidered fra	aud and may	be grounds f	or legal actio	n. <u>Sar</u>	mpled by: Isaac Garcia														ice the day thubsequent day		ed or received	
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Sample Mat	trix: S - Soil, Sd - So	olid, Sg - Slur	dge, A - Aqur	eous, O - Othr	ar	2011		Container	r Type	:g-g	lass,	p - pc	ly/pl	astic,	ag - a	mber	glas	s, v - 1	VOA	OF NAMES	1.404-310			
							re made. Hazardous san								t the cl	lent e	expen	se. T	he rep	ort fo	r the analys	sis of the al	bove	

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Printed: 11/11/2022 1:20:49PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

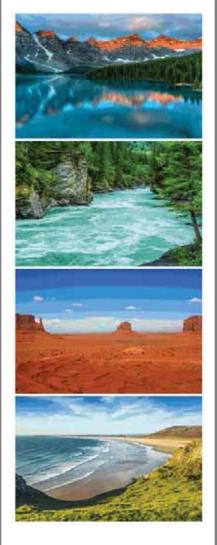
Instructions: Please take note of any NO checkmarks.

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	8:49		Work Order ID:	E211063
Phone:	(575) 748-4217	Date Logged In:	11/11/22 09	9:37		Logged In By:	Caitlin Christian
Email:		Due Date:	11/16/22 1	7:00 (3 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	aac Garcia		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	Furn Around Time (TAT)	on.		Г			<u> </u>
	e 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 th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
	Container 1		3.7				
	queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?	0	NA 				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contai	ners collected?	Yes				
Field La	<del></del>						
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		Yes				
Sample I	Preservation						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
	s, does the COC specify which phase(s) is to be analy		NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborate	arra 9	No				
	a subcontract laboratory specified by the client and i	•		Subcontract Lab:	· no		
		i so wiio:	1421	Subcontract Lab.	. на		
Client II	<u>nstruction</u>						

Date

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/22 16:25

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## ST1B 11 E211065-01

	L211005 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: IY		Batch: 2246071
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0500	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
	104 %	70-130	11/11/22	11/15/22	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2246071
ND	20.0	1	11/11/22	11/15/22	
	96.7 %	70-130	11/11/22	11/15/22	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2246083
ND	25.0	1	11/14/22	11/15/22	
ND	50.0	1	11/14/22	11/15/22	
	121 %	50-200	11/14/22	11/15/22	
mg/kg	mg/kg	Analy	yst: RAS		Batch: 2246089
1150	20.0	1	11/11/22	11/16/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         20.0250           ND         20.0           96.7 %         mg/kg           MD         25.0           ND         50.0           121 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           96.7 %         70-130         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           121 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0500         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22           mg/kg         mg/kg         Analyst: IJ           ND         25.0         1         11/11/22           ND         25.0         1         11/14/22           ND         50.0         1         11/14/22           ND         50.0         1         11/14/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22         11/15/22           ND         0.0250         1         11/11/22         11/15/22           ND         0.0250         1         11/11/22         11/15/22           ND         0.0500         1         11/11/22         11/15/22           ND         0.0250         1         11/11/22         11/15/22           ND         0.0250         1         11/11/22         11/15/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22         11/15/22           mg/kg         mg/kg         Analyst: IY         11/11/22         11/15/22           mg/kg         mg/kg         Analyst: IY         11/11/22         11/15/22           MD         20.0         1         11/11/22         11/15/22           Mg/kg         mg/kg         Analyst: JL         11/15/22           ND         25.0         1         11/14/22         11/15/22           ND         50.0         1         11/14/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## **ST1W 4**

E211065-02						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2246089
Chloride	1260	20.0	1	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## **ST1W 5**

E211065-03						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2246089
Chloride	3060	40.0	2	11/11/22	11/16/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

#### **ST2B 6**

#### E211065-04

		ъ .:				
	D 1:	Reporting		ъ.		NT .
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2246089
Chloride	1380	20.0	1	11/11/22	11/16/22	



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104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

#### **ST2B 7**

#### E211065-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		123 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246089
	<u> </u>	<u> </u>	<u> </u>		·	<u> </u>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## ST2W 4 E211065-06

		2211000 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/15/22	
onhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: IY			Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		121 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246089
Chloride	2740	40.0	2	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## **ST2W 5**

		E211065-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		124 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2246089
Chloride	5090	40.0	2	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

#### **ST3B 6**

#### E211065-08

	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2246071
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
ND	0.0500	1	11/11/22	11/15/22	
ND	0.0250	1	11/11/22	11/15/22	
	103 %	70-130	11/11/22	11/15/22	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2246071
ND	20.0	1	11/11/22	11/15/22	
	97.0 %	70-130	11/11/22	11/15/22	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2246083
76.0	25.0	1	11/14/22	11/15/22	
ND	50.0	1	11/14/22	11/15/22	
	127 %	50-200	11/14/22	11/15/22	
/1	mg/kg	Δn	alyst: RAS		Batch: 2246089
mg/kg	mg/kg	7 1116	ary 50. 10.15		Daten. 2240007
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           mg/kg         mg/kg           MD         20.0           97.0 %         mg/kg           mg/kg         mg/kg           76.0         25.0           ND         50.0           127 %	Result         Limit         Dilution           mg/kg         mg/kg         And           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           Mg/kg         mg/kg         And           ND         20.0         1           97.0 %         70-130         70-130           mg/kg         mg/kg         And           76.0         25.0         1           ND         50.0         1           127 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0500         1         11/11/22           ND         0.0250         1         11/11/22           ND         0.0250         1         11/11/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/11/22           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           76.0         25.0         1         11/14/22           ND         50.0         1         11/14/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Image: Control of the property of the proper



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

#### **ST3B 7**

E211065-0	Ч

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		141 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2246089
Chloride	4090	100	5	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## ST3W 4 E211065-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		126 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2246089
Chloride	3640	40.0	2	11/11/22	11/16/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

## ST3W 5 E211065-11

		2211000 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2246071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/22	11/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/11/22	11/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		126 %	50-200	11/14/22	11/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2246089
Chloride	6710	200	10	11/11/22	11/16/22	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

Artesia NM, 88210		Project Manager	: G1	reg Crabtree				1	1/16/2022 4:25:48PM
		Volatile C	Organics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2246071-BLK1)							Prepared: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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	



# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	1/16/2022 4:25:48PM
	Non		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
Blank (2246071-BLK1)							Prepared: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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: 1	1/11/22 An	alyzed: 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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	·
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/2022 4:25:48PM

	Project Manager	r: Gr	eg Crabtree				1	1/16/2022 4:25:48PI
Nonhal	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	1/14/22 Ar	nalyzed: 11/15/22
ND	25.0							
ND	50.0							
59.0		50.0		118	50-200			
						Prepared: 1	1/14/22 Ar	nalyzed: 11/15/22
257	25.0	250		103	38-132			
61.7		50.0		123	50-200			
			Source:	E211065-1	10	Prepared: 1	1/14/22 Ar	nalyzed: 11/15/22
271	25.0	250	ND	109	38-132			
63.4		50.0		127	50-200			
			Source:	E211065-1	10	Prepared: 1	1/14/22 Ar	nalyzed: 11/15/22
282	25.0	250	ND	113	38-132	3.90	20	
65.8		50.0		132				
	Result mg/kg  ND ND 59.0  257 61.7	Nonhalogenated Organic   Reporting   Limit   mg/kg     Limit   mg/kg     ND   25.0   ND   50.0     59.0       257   25.0     61.7     271   25.0     63.4     282   25.0	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 80151   Result	Nonhalogenated Organics by EPA 8015D - DRO	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   mg/kg   mg/kg   mg/kg   %   %   %   %   %     %   %   %   %	Result	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   % % % % % % % % % % % % % % % % % %



## **QC Summary Data**

EOG Resources		Project Name:	chen Frey DM				Reported:						
104 South 4th Street		Project Number:		9034-0009									
Artesia NM, 88210		Project Manager	: G	reg Crabtree					11/16/2022 4:25:48PM				
		Anions	by EPA	300.0/9056 <i>£</i>	4				Analyst: RAS				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2246089-BLK1)							Prepared: 1	1/11/22 A	nalyzed: 11/15/22				
Chloride	ND	20.0											
LCS (2246089-BS1)							Prepared: 1	1/11/22 A	nalyzed: 11/15/22				
Chloride	250	20.0	250		100	90-110							
Matrix Spike (2246089-MS1)				Source:	E211062-2	22	Prepared: 1	1/11/22 A	nalyzed: 11/15/22				
Chloride	278	20.0	250	25.3	101	80-120							
Matrix Spike Dup (2246089-MSD1)				Source:	E211062-2	22	Prepared: 1	1/11/22 A	nalyzed: 11/15/22				
Chloride	279	20.0	250	25.3	102	80-120	0.328	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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/16/22 16:25

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 I	ity, State, Zip hone: mail: I. Garcia B. Hall G. Crabtree T. Knight eport due by:  Time Sampled Date Sampled Matrix No. of Containors Sample ID				Chair	of Custody														Page3	of_U	
Client: Project:	EOG Achen Fi	a DA	4#11			Bill To		Lab	WO#	_		Use Only Job Number					2D	TA 3D		andard	EPA F	rogram
Project N Address	Manager:	Greg Cra	btree	_	A	ddress: ity, State, Zip		E2	2//(	24	5	Analysis and Method						X				RCRA
Phone:		II.C. Cook	**** T V-		1 1-	hone: mail:		y of c		0			н&Р	8270						NM CO	State	IXI
		ii G. Crab	tree 1. Kn	ignt				GRO,ORO by	by 8021	a 300.	8260	6010	P w/o	olitiles						X	01 /42	
Time Sampled	Date Sampled	Matrix		Sample IC	)		Lab Number	DRO,GR 8015	втех ьу	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	D.	PCB's		-			Remark	
9:36	1110-122	S	1	ST	BU		1	X	X	X												
9:41				STI	WY		2	1	1	1												
9:43				STI	W5		3	Ц	Ц						Ĺ,							
9:50				ST	2136		4	П	П													
9:52				ST	785		5	Ц		Ш												
9:55				STZ	W4		4	Ц														
9:58				STZ	w 5		7		Ц													
10:06				513	36		8	Ш	Ш		ı											
10:09				513	BF		9															
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x date or time	of collection is co	nsidered fra	ud and may b	e grounds fo	or legal action.	Sampled by: Isaac Garcia														n ice the day t subsequent day		led or received
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Relinquishe	d by: (Signature	2)	Date		Time	Received by: (Signature)	Date		Time			T1				_				T3		
Relinquishe	d by: (Signature	e)	Date		Time	Received by: (Signature)	Date		Time			AVG	Tem	p°C	000				= 0			
Sample Matr	ix: S - Soil, Sd - So	lid, Sg - Slud	ge, A - Aqueo	us, O - Othe	r	or arrangements are made. Hazardou	Containe				p - po	oly/pl	astic,	ag - a	mbe				nort fe	or the analy	sis of the	above

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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 Ir	nformation	Chain o	f Cust	tody														Page	_of_ <u>\</u>				
Client:	606				1.77	Bill To			Lab Use Only										TA	TAT EPA			rogram
Project:	Ochen to	w. Ak	1#11		A	ttention:	tion:											2D	3D	Stand	ard	CWA	SDWA
Project N	Achen Fr Manager:	Gree Cra	btree	16		ddress:	s: F					5	19034-0009						X				-
Address						ity, State, Zip				-11					nd M			_			51		RCRA
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	Garcia B. Ha	II G Crah	tree T Kr	ight	1 5	man.		_	o o	_	o,	8		Full TCLP w/o H&P	s 82				1 1	NN	CO	UT AZ	TX
Report d		ii G. Cido	tree i. Ki	прис				.ab mber	le,	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	*	Semi-Volitiles 8270	3			1 1		-	31 12	1
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Nu	mher	80,	TEX	hlor 19	8	/eta	=	Ë	D G	PCB's	Ι.	ш			Remarks	
Sampled			_america.				140	mber	0 8	- 80	U	>	2	IL.	S	<u>«</u>	-	1	Н	_			
10:14	11/10/22	5	١	ST3	SW 5		1	3	X	X	X												- 6
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x date or time	e of collection is o	onsidered fra	aud and may	be grounds fo	r legal action.	Sampled by: Isaac Garcia														°C on subsec		hey are sampl ys.	ed or received
_	ed by: (Signatur		Date		Time	Received by Gignature	Date	In la	25	Time 8	49	7	Rece	eived	on i	ce:		ab Us	e On	ly	il.	5	
Relinquish	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date			Time			T1				T2	urei		Т3			
Relinquish	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date			Time			AVG	Tem	ıp°C	4	7				k		
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Sluc	ige, A - Aque	ous, O - Othe			Con	tainer	Туре	:g-p	lass,	p - pc	oly/pl	astic,	ag -	ambe	r glas	ss, v -	VOA				
Note: Sam	ples are discard	ed 30 days	after resul	ts are report	ed unless othe	er arrangements are made. Hazardous so th this COC. The liability of the laboratory	mples is limite	will be ed to t	returi ne amo	ned to	clien aid fo	t or d	ispose the rep	ed of a port.	t the	client	expe	nse.	The rep	oort for the	analy	sis of the a	bove

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Page 815 of 1109 Printed: 11/11/2022 1:33:19PM

#### **Envirotech Analytical Laboratory**

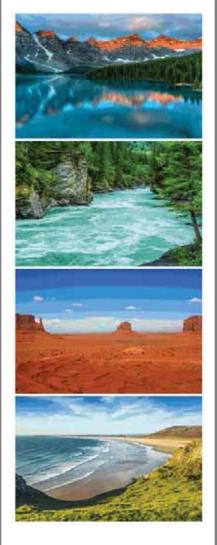
Sample Receipt Checklist (SRC)

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	9:40		Logged In By:	Caitlin Christian
Email:		Due Date:	11/16/22	17:00 (3 day TAT)			
Chain of	Custody (COC)						
			37				
	ne sample ID match the COC? ne number of samples per sampling site location matc	h the COC	Yes				
	amples dropped off by client or carrier?	in the COC	Yes	C : I	<b>.</b>		
	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes Yes	Carrier: 18	saac Garcia		
	Il samples received within holding time?	ed analyses.	Yes				
3. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103			<u>Commen</u>	nts/Resolution
Sample 7	<u> Curn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Project h	ias been separa	ated into 2 reports
Sample (	<u>Cooler</u>				due to sa	mple volume.	Workorders are as
7. Was a	sample cooler received?		Yes		follows:	E211064 & E2	211065.
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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 th	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature.  Actual sample t	emperature: 4°C	<u> </u>				
Sample (	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal							
	field sample labels filled out with the minimum infor	mation:	37				
	ample ID? pate/Time Collected?		Yes	l			
	ollectors name?		Yes Yes				
Sample l	Preservation		103				
	the COC or field labels indicate the samples were pre	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analyze	zed?	NA				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	: na		
	nstruction						
Chefft II	ion activit						
							1
Signa	ure of client authorizing changes to the COC or sample disp	osition.			Date	<del></del>	– 🥝 envirotech I

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Lynn Jarbuc

Technical Representative/Client Services

Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

Rayny Hagan
Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Chain of Custody etc	22

## Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 14:39

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.

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT1B 15 E211118-01

		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2247121
Benzene	ND	0.0250	1	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	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		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	
Surrogate: n-Nonane		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	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT1B 16 E211118-02

Result	Reporting Limit		on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2247121
	<u> </u>	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
ND	0.0500	1	11/19/22	11/20/22	
ND	0.0250	1	11/19/22	11/20/22	
	96.4 %	70-130	11/19/22	11/20/22	
	98.4 %	70-130	11/19/22	11/20/22	
	108 %	70-130	11/19/22	11/20/22	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2247121
ND	20.0	1	11/19/22	11/20/22	
	96.4 %	70-130	11/19/22	11/20/22	
	98.4 %	70-130	11/19/22	11/20/22	
	108 %	70-130	11/19/22	11/20/22	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2248004
ND	25.0	1	11/21/22	11/23/22	
ND	50.0	1	11/21/22	11/23/22	
	109 %	50-200	11/21/22	11/23/22	
mg/kg	mg/kg	A	nalyst: KL		Batch: 2248015
1070	20.0	1	11/21/22	11/22/22	
	mg/kg ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         98.4 %           108 %         mg/kg           ND         20.0           96.4 %         98.4 %           108 %         mg/kg           MD         25.0           ND         50.0           109 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           96.4 %         70-130         70-130           98.4 %         70-130         1           Mg/kg         mg/kg         A           ND         20.0         1           96.4 %         70-130         70-130           98.4 %         70-130         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           109 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           98.4 %         70-130         11/19/22           98.4 %         70-130         11/19/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22           98.4 %         70-130         11/19/22           98.4 %         70-130         11/19/22           108 %         70-130         11/19/22           108 %         70-130         11/19/22           108 %         70-130         11/19/22           ND         25.0         1         11/21/22           ND         50.0         1         11/21/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         I1/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           96.4 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22           108 %         70-130         11/19/22         11/20/22



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT2B 17 E211118-03

		Reporting			_		
Analyte	Result	Limit	Dilu	tion Pre	pared	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	
Surrogate: Bromofluorobenzene		94.9 %	70-130	11/	19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	11/	19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		94.9 %	70-130	11/	19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	11/	19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	

 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

## NT2B 18 E211118-04

		EZIIIIO U.				
Analyte	Result	Reporting Limit	Dilut	ion 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	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		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	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT2W 6 E211118-05

		Reporting					
Analyte	Result	Limit	Dilu	tion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2247121
Benzene	ND	0.0250	1	11/1	19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/1	19/22	11/20/22	
Toluene	ND	0.0250	1	11/1	19/22	11/20/22	
o-Xylene	ND	0.0250	1	11/1	19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/1	19/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/1	19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/1	19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/1	19/22	11/20/22	
Surrogate: Toluene-d8		107 %	70-130	11/1	19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/1	19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130	11/1	19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	11/1	19/22	11/20/22	
Surrogate: Toluene-d8		107 %	70-130	11/1	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	11/2	21/22	11/23/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/2	21/22	11/23/22	
Surrogate: n-Nonane		109 %	50-200	11/2	21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2248015
Chloride	1300	20.0	1	11/2	21/22	11/22/22	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT3B 11 E211118-06

		E211110-00					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.9 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	
Smortec	1700	20.0					



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT3B 12 E211118-07

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		106 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: KL		Batch: 2248015
Chloride	968	20.0	1	11/21/22	11/22/22	

EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## NT3W 6 E211118-08

		Reporting					
Analyte	Result	Limit	Dilut	tion Pre	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/	/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/	/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/	/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/	/19/22	11/20/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/	/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/	/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/	/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		108 %	50-200	11/	/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL			Batch: 2248015
Chloride	2070	20.0	1		/21/22	11/22/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

## ST2B 8 E211118-09

		2211110 07				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		107 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2248015
Chloride	197	20.0	1	11/21/22	11/22/22	



 EOG Resources
 Project Name:
 Achen Frey DM #11

 104 South 4th Street
 Project Number:
 19034-0009
 Reported:

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 11/28/2022 2:39:27PM

#### ST2W 6 E211118-10

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: I	Y		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	
Surrogate: Bromofluorobenzene		96.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: I	Y		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: JI	L		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	
Surrogate: n-Nonane		107 %	50-200		11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2248015
·	923	•	•		11/21/22	11/22/22	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

#### **ST3B8**

#### E211118-11

Reporting										
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg m			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				
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22				
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/19/22	11/20/22				
Surrogate: Toluene-d8		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				
Surrogate: Bromofluorobenzene		98.4 %	70-130		11/19/22	11/20/22				
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/19/22	11/20/22				
Surrogate: Toluene-d8		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				
Surrogate: n-Nonane		110 %	50-200		11/21/22	11/23/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2248015			
THIONS BY EITHCOOLOGOGO										



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

#### ST3W 6 E211118-12

		2211110 12				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		104 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		108 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2248015
Chloride	3070	40.0	2	11/21/22	11/22/22	



Achen Frey DM #11 EOG Resources Project Name: Reported: 104 South 4th Street Project Number: 19034-0009

ND	Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree					11/28/2022 2:39:27PN
Result   Limit   Level   Result   Res		V	olatile Organ	unds by EF	В			Analyst: IY		
Blank (247121-BLK1)   Prepared: 11/19/22   Analyzed: 11/20/22	Analyte	Result				Rec		RPD		
ND		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Prepared: 11/19/22   Prepared: 11/19/22   Prepared: 11/19/22   Prepared: 11/19/22   Prepared: 11/19/22   Prepared: 11/19/23   Prepared: 11/19/24   Prepare	Blank (2247121-BLK1)							Prepared: 1	1/19/22 A1	nalyzed: 11/20/22
ND	Benzene	ND	0.0250							
ND   0.0250	Ethylbenzene	ND	0.0250							
ND   0.0500   ND   0.0250   ND   0.0500	Toluene	ND	0.0250							
ND	o-Xylene		0.0250							
Surrogate: Bromofluorobenzene   0.462   0.500   92.4   70-130	p,m-Xylene									
Numogate: 1,2-Dichloroethane-d4	Total Xylenes	ND	0.0250							
LCS (2247121-BS1)	Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Prepared: 11/19/22   Analyzed: 11/20/22	Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Benzene   2.40   0.0250   2.50   96.0   70-130	Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Ethylbenzene   2.56   0.0250   2.50   103   70-130   70	LCS (2247121-BS1)							Prepared: 1	1/19/22 Aı	nalyzed: 11/20/22
Toluene 2.44 0.0250 2.50 97.7 70-130 5-Xylene 2.38 0.0250 2.50 95.4 70-130 5-Xylene 2.38 0.0250 2.50 95.4 70-130 5-Xylene 4.79 0.0500 5.00 95.9 70-130 5-Xylene 7.18 0.0250 7.50 95.7 70-130 5-Xylene 8.718 0.0250 7.50 95.7 70-130 5-Xylene 8.719 70-130 5-Xylene 9.00 9.00 97.9 70-130 5-Xylene 9.00 97.9 70-130 5-Xylene 9.00 97.9 70-130 5-Yylene 9.00 97.9 97.0 97.0 97.0 97.0 97.0 97.0	Benzene	2.40	0.0250	2.50		96.0	70-130			
2.38   0.0250   2.50   95.4   70-130	Ethylbenzene	2.56	0.0250	2.50		103	70-130			
A.79	Toluene	2.44	0.0250	2.50		97.7	70-130			
Total Xylenes   7.18   0.0250   7.50   95.7   70-130	o-Xylene		0.0250							
Surrogate: Bromofluorobenzene   0.509   0.500   102   70-130	p,m-Xylene		0.0500							
Surrogate: 1,2-Dichloroethane-d4 0,490 0.500 97.9 70-130	Total Xylenes	7.18	0.0250			95.7				
Comparies   Comp	Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Prepared: 11/19/22   Analyzed: 11/20/22	Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
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 o-xylene 4.54 0.0500 5.00 90.8 70-130 5.44 27 Total Xylene 6.82 0.0250 7.50 90.9 70-130 5.19 27 Surrogate: Bromoftworbenzene 0.488 0.500 97.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 0.500 0.500 95.9 70-130	Surrogate: Toluene-d8	0.540		0.500		108	70-130			
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         5-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: Bromoftworbenzene       0.488       0.500       97.6       70-130	LCS Dup (2247121-BSD1)							Prepared: 1	1/19/22 Aı	nalyzed: 11/20/22
Toluene 2.28 0.0250 2.50 91.3 70-130 6.84 24 0-Xylene 2.28 0.0250 2.50 91.0 70-130 4.68 27 0-Xylene 2.28 0.0250 5.00 90.8 70-130 5.44 27 0-Xylene 4.54 0.0500 5.00 90.8 70-130 5.44 27 0-Xylene 6.82 0.0250 7.50 90.9 70-130 5.19 27 0-Xylene 6.82 0.0250 7.50 90.9 70-130 5.19 27 0-Xylene 6.82 0.500 97.6 70-130 0.500 97.6	Benzene	2.26	0.0250	2.50		90.5	70-130	5.92	23	
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	Ethylbenzene	2.38	0.0250	2.50		95.3	70-130	7.36	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	Toluene	2.28	0.0250	2.50		91.3	70-130	6.84	24	
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         70-130           Surrogate: 1,2-Dichloroethane-d4         0.480         0.500         95.9         70-130         70-130	o-Xylene		0.0250	2.50		91.0	70-130	4.68	27	
Surrogate: Bromofluorobenzene         0.488         0.500         97.6         70-130           Surrogate: 1,2-Dichloroethane-d4         0.480         0.500         95.9         70-130	p,m-Xylene		0.0500							
Surrogate: 1,2-Dichloroethane-d4 0.480 0.500 95.9 70-130	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: Toluene-d8 0.521 0.500 104 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			



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20222:39:27PM

Nonhalogenated	Organics l	ov EPA	8015D -	GRO

Anal	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247121-BLK1)						Prepared: 11	/19/22 Analyz	zed: 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 Analyz	zed: 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 Analyz	zed: 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			



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 2:39:27PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree					1/28/2022 2:39:2/PI
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248004-BLK1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.8		50.0		108	50-200			
LCS (2248004-BS1)							Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2248004-MS1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
urrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2248004-MSD1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 Ar	nalyzed: 11/23/22
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
urrogate: n-Nonane	53.7		50.0		107	50-200			

EOG Resources		Project Name:		chen Frey DM	1 #11				Reported:
104 South 4th Street		Project Number:		9034-0009					
Artesia NM, 88210		Project Manager	: G	reg Crabtree				•	11/28/2022 2:39:27PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248015-BLK1)							Prepared: 1	1/21/22 Aı	nalyzed: 11/22/22
Chloride	ND	20.0							
LCS (2248015-BS1)							Prepared: 1	1/21/22 Aı	nalyzed: 11/22/22
Chloride	245	20.0	250		98.2	90-110			
Matrix Spike (2248015-MS1)				Source:	Source: E211118-01			1/21/22 Aı	nalyzed: 11/22/22
Chloride	1450	20.0	250	1210	94.7	80-120			
Matrix Spike Dup (2248015-MSD1)				Source:	E211118-0	1	Prepared: 1	1/21/22 Aı	nalyzed: 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	Project Name:	Achen Frey DM #11		
104 South 4th Street	Project Number:	19034-0009	Reported:	l
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 14:39	

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.



	letie I					1																	
Client:	Johan F	0	,211	_		Bill To			-				se Or	_					TA				rogram
Project N		Greg Cri			- 1	Attention: Address:			Lab	woi	118			Num	ber oo∈	.0	1D	2D	3D		andard	CWA	SDWA
Address:				<b>1</b>		City, State, Zip			-	. / 1/	10	_	_		nd Me	_	-	_	_		_		RCRA
City, State	, Zip					Phone:			$\vdash$			Г	1					- 1					X
Phone:			COLOR DE COLOR			Email:			à					9	270				ш			State	
Email: L. Report du	Garcia B. Hal	I G. Crab	tree T. Kn	ight	_				ONO by	021	300.0	8	9	full TCLP w/o H&P	iles 8						NM CO	UT AZ	TX
Time	I		No. of		_			Lab	GRO	å.	ide.	by 82	Wetals 6010	60	Volle		1				X	$\perp$	
Sampled	Date Sampled	Matrix	Containers	Sample ID	10		N	umber	8015	BTEX by 8023	Chloride	VOC by 8260	Meta	Full 7	Semi-Volitiles 8270	D.	POP					Remarks	
13:57	11/16/22	5	1	107	113	15		1	×	×	X												
13:59	(	1	1	NT	131	<b>'</b> '		2	(	)	1												
14:02				NT	2131-	7		3															
14.04				NTO	231	8		4															
14:09				NTO	20	6		5															
14:11				NI	3 13 1	1		6															
14:14				NT	3 13 1	2		7															
14:18				NT	3 W	4		8															
4:16		$\perp$		STZ	_ 13 8	7		9		Ш	П												
14:29	4	V	4	STZ	WG			10	1	-	4												
× V	is, ice iv	Lcoole	r ZM																				
x date or time	of collection is co	nsidered fra	ud and may b	oe grounds fo	r legal action	Sampled by: hase Garda															ice the day the Asequent days	y are sampled	or received
Relinquishe	quished by: (Signature) Date Time Received by: (Signature)		Received by: (Signature)	Date	Inh		lime /	2:2	8	Rece	ived (	on ice	ar.	(Y)		Only							
	nquished by: (Signature) Date Time Received by: (Signature)		Received by: (Signafere)	Date	Date		Time			Received on ice:		700 50	12				3						
Relinquishe	f by: (Signature	1	Date		Time	Received by: (Signature)	Date	<b>(</b> )		lime			AVG	Tems	or 6					- 4			
Sample Matri	x: \$ - Soil, \$d - So	lid, Sg - Slud	ge, A - Aqueo	ous, O - Other			Cor	ntainer	Type:	a - pi	ass. e							v. V	OA	-	_		
Note: Samp samples is a	les are discarde pplicable only t	d 30 days o those sa	after results mples recei	are reporte ved by the l	d unless o aboratory v	ther arrangements are made. Hazardous with this COC. The liability of the laboratory	samples	will be	return	ed to	client	or di	sposed	of at	the cli	ent e	xpens	e. Th	е геро	et for	the analysi	s of the abo	ove

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Project II	nformation						hain of Custody														Page _ Z	_ of _ <
Client:	606			_		Bill To					ab U	se O	nly			Т		TA	AT		EPA P	rogram
Project N		Greg Cra	btree			Attention: Address:		Lab E 2	wo.	78		Job [G	Num	ber	ρα	1D	2D	3D	_	andard	CWA	SDWA
Address: City, Star Phone:				=		City, State, Zip Phone:					Г	Anal	ysis a		ethod	d						RCRA
	Garcia B. Ha	II G. Crab	tree T. Kr	ight		Email:		GRO, ORO by	8021	300.0	1260	010	Full TCLP w/o H&P	Semi-Volisiles 8270				П		NM CO	State UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	9 2	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCU	Semi-Vo	Di	PCB's					Remarks	
14:36	11/16/20	5	-1	57	3 B	8	- 11	<	<	×												
14:39	11/16/22	5	1		w		12	X	×	4												
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	of collection is co																			ice the day the absequent days		or received
12-	ed by: (Signature			7/220	15757		Date 11/17/2	2	IS IS	:68	1	Rece	ived	on ic	e:	(Y		e Only	γ.			
041040010	ed by: (Signature		Date		lime	Received by: (Signature)	Date		Time			T1		0000		12	10.10			13		
Relinquishe	ed by: (Signature	0	Date		lime	Received by: (Signature)	Date		Time			AVG	Tem	°C	47	0			_	0.115		
	rix: S - Soil, Sd - So						Container	Type	g - g	lass, r	p - pc	lly/pla	istic,	ig - ar	mber	glass	. v - V	/OA	_			
Note: Samp samples is	oles are discarde applicable only t	d 30 days a to those sar	after results mples recei	are reporte yed by the la	d unless of boratory	ther arrangements are made. Hazard with this COC. The liability of the labor	dous samples will be ratory is limited to th	return ne amo	ed to	client aid fo	t or di	spose he rep	d of at ort.	the c	lient e	expen	ie. Ti	ne repo	ort fo	r the analysi	s of the ab	ove

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envirotech Inc.

Printed: 11/18/2022 1:28:30PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

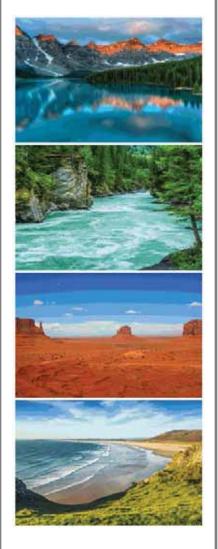
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	on the coc	Yes Yes	C . I	<i>c</i> :		
	e COC complete, i.e., signatures, dates/times, reques	eted analyses?	Yes	Carrier: 18	saac Garcia		
	Il samples received within holding time?	sted analyses:	Yes				
J. WOIC a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	103	•		Comment	s/Resolution
	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4	<u>C</u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.	)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		iers conecteur	168				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample I	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	v na		
		oo waa	1,12	Subcontract Lac	,. nu		
Chent II	<u>istruction</u>						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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### Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/22 17:39

Client Sample ID	Lab Sample ID Mat	rix Sampled	Received	Container
CS294 - 6	E211119-01A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS295 - 6	E211119-02A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS282 - 6	E211119-03A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS283 - 6	E211119-04A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS305 - 6	E211119-05A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS306 - 6	E211119-06A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.
CS342 - 6	E211119-07A Soi	1 11/16/22	11/17/22	Glass Jar, 2 oz.



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 5:39:35PM

#### CS294 - 6 E211119-01

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2247121
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130	11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/22	11/20/22	
Surrogate: Toluene-d8		105 %	70-130	11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		99.8 %	50-200	11/21/22	11/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2248011
Chloride	1160	20.0	1	11/21/22	11/24/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS295 - 6 E211119-02

D14	Reporting			Decreed	A a la a -1	Notes
Result	Limit	Dili	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
ND	0.0500		1	11/19/22	11/20/22	
ND	0.0250		1	11/19/22	11/20/22	
	99.6 %	70-130		11/19/22	11/20/22	
	95.0 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
ND	20.0		1	11/19/22	11/20/22	
	99.6 %	70-130		11/19/22	11/20/22	
	95.0 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2248004
375	50.0		2	11/21/22	11/23/22	
633	100		2	11/21/22	11/23/22	
	102 %	50-200	·	11/21/22	11/23/22	
mg/kg	mg/kg		Analyst:	KL		Batch: 2248011
ND	20.0		1	11/21/22	11/24/22	
	ND Mg/kg ND  mg/kg 375 633	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         95.0 %           105 %         105 %           mg/kg         mg/kg           MD         20.0           99.6 %         95.0 %           105 %         105 %           mg/kg         mg/kg           375         50.0           633         100           102 %         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           PD         0.0250           MD         0.0250           99.6 %         70-130           105 %         70-130           mg/kg         mg/kg           ND         20.0           99.6 %         70-130           95.0 %         70-130           105 %         70-130           mg/kg         mg/kg           375         50.0           633         100           102 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           99.6 %         70-130           95.0 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           99.6 %         70-130         1           99.6 %         70-130         1           mg/kg         mg/kg         Analyst:           375         50.0         2           633         100         2           102 %         50-200           mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         70-130         11/19/22           95.0 %         70-130         11/19/22           105 %         70-130         11/19/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22           99.6 %         70-130         11/19/22           95.0 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           mg/kg         mg/kg         Analyst: JL           375         50.0         2         11/21/22           633         100         2         11/21/22           mg/kg	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Imag/kg         Analyst: IY           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           99.6 %         70-130         11/19/22         11/20/22           95.0 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         11/19/22         11/20/22           95.0 %         70-130         11/19/22         11/20/22           95.0 %         70-130         11/19/22         11/20/22           105 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: JL           375



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS282 - 6 E211119-03

		E211119-03					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247121
Benzene	ND	0.0250	1	l	11/19/22	11/20/22	
Ethylbenzene	ND	0.0250	1	l	11/19/22	11/20/22	
Toluene	ND	0.0250	1	l	11/19/22	11/20/22	
o-Xylene	ND	0.0250	1	l	11/19/22	11/20/22	
p,m-Xylene	ND	0.0500	1	l	11/19/22	11/20/22	
Total Xylenes	ND	0.0250	1	l	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		106 %	70-130		11/19/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg mg/kg Analyst: IY		IY		Batch: 2247121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/19/22	11/20/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	1	11/21/22	11/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/21/22	11/23/22	
Surrogate: n-Nonane		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	1	11/21/22	11/24/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS283 - 6 E211119-04

		E211119-04					
	D. I.	Reporting		··	D 1		N
Analyte	Result	Limit	Dilt	ıtion	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	
p-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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG ResourcesProject Name:Achen Frey DM #11104 South 4th StreetProject Number:19034-0009Reported:Artesia NM, 88210Project Manager:Greg Crabtree11/28/2022 5:39:35PM

#### CS305 - 6 E211119-05

	E211117-03					
Result	Reporting	Dilu	ution	Prenared	Analyzed	Notes
	Lillit			•	Anaryzeu	
mg/kg	mg/kg		Analyst: l	IY		Batch: 2247121
ND	0.0250	1	1	11/19/22	11/20/22	
ND	0.0250	1	1	11/19/22	11/20/22	
ND	0.0250	1	1	11/19/22	11/20/22	
ND	0.0250	1	1	11/19/22	11/20/22	
ND	0.0500	1	1	11/19/22	11/20/22	
ND	0.0250	1	1	11/19/22	11/20/22	
	98.4 %	70-130		11/19/22	11/20/22	
	102 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst: l	IY		Batch: 2247121
ND	20.0	1	1	11/19/22	11/20/22	
	98.4 %	70-130		11/19/22	11/20/22	
	102 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg		Analyst: J	JL		Batch: 2248004
ND	25.0	1	1	11/21/22	11/24/22	
ND	50.0	1	1	11/21/22	11/24/22	
	109 %	50-200		11/21/22	11/24/22	
mg/kg	mg/kg		Analyst: l	KL		Batch: 2248011
689	20.0	1	1	11/21/22	11/24/22	
	ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           98.4 %         102 %           105 %         mg/kg           ND         20.0           98.4 %         102 %           105 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0           109 %         mg/kg	Reporting           Result         Limit         Dilu           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           98.4 %         70-130           102 %         70-130           mg/kg         mg/kg           ND         20.0           98.4 %         70-130           102 %         70-130           105 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           109 %         50-200           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           98.4 %         70-130           102 %         70-130           105 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           98.4 %         70-130         102 %           102 %         70-130         105 %           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           109 %         50-200           mg/kg         mg/kg         Analyst:	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           102 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           102 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           ND         25.0         1         11/19/22           ND         50.0         1         11/21/22           ND         50.0         1         11/21/22 <td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           105 %         70-130         11/19/22         11/20/22           105 %         70-130         11/19/22         11/20/22</td>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0500         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           ND         0.0250         1         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         11/19/22         11/20/22           102 %         70-130         11/19/22         11/20/22           105 %         70-130         11/19/22         11/20/22           105 %         70-130         11/19/22         11/20/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS306 - 6 E211119-06

		EZIIII) 00					
Austra	D16	Reporting			D 1	A	Nixe
Analyte	Result	Limit	Dili	ution	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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		11/19/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/19/22	11/20/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

#### CS342 - 6 E211119-07

Result			tion	Prepared	Analyzed	Notes
Result	Liiiit	Dila	tion	Trepared	Maryzed	Trotes
mg/kg	mg/kg	A	Analyst: IY			Batch: 2247121
ND	0.0250	1		11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
ND	0.0500	1		11/19/22	11/20/22	
ND	0.0250	1		11/19/22	11/20/22	
	95.9 %	70-130		11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg	A	Analyst: I	Y		Batch: 2247121
ND	20.0	1		11/19/22	11/20/22	
	95.9 %	70-130		11/19/22	11/20/22	
	97.6 %	70-130		11/19/22	11/20/22	
	105 %	70-130		11/19/22	11/20/22	
mg/kg	mg/kg	A	Analyst: JI	L		Batch: 2248004
ND	25.0	1		11/21/22	11/24/22	
ND	50.0	1		11/21/22	11/24/22	
	109 %	50-200		11/21/22	11/24/22	
mg/kg	mg/kg	I	Analyst: K	L		Batch: 2248011
316	20.0	1		11/21/22	11/24/22	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           95.9 %         97.6 %           105 %         105 %           mg/kg         mg/kg           ND         20.0           95.9 %         97.6 %           105 %         105 %           mg/kg         mg/kg           ND         25.0           ND         50.0           109 %         mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           95.9 %         70-130           97.6 %         70-130           105 %         70-130           97.6 %         70-130           97.6 %         70-130           97.6 %         70-130           105 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           109 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst: P           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130         1           97.6 %         70-130         70-130           mg/kg         mg/kg         Analyst: P           ND         20.0         1           95.9 %         70-130         70-130           97.6 %         70-130         70-130           mg/kg         mg/kg         Analyst: JI           ND         25.0         1           ND         50.0         1           109 %         50-200           mg/kg         Mg/kg         Analyst: K	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0500         1         11/19/22           ND         0.0250         1         11/19/22           ND         0.0250         1         11/19/22           95.9 %         70-130         11/19/22           97.6 %         70-130         11/19/22           105 %         70-130         11/19/22           95.9 %         70-130         11/19/22           97.6 %         70-130         11/19/22           97.6 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           105 %         70-130         11/19/22           ND         25.0         1         11/19/22           ND         50.0         1         11/21/22           ND         50.0         1         11/21/22           mg/kg	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Image: Comparison of the comparison of t



EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 11/28/2022 5:39:35PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				11/	28/2022 5:39:35PM		
	Vo	olatile Organ	ic Compo	ınds by EF	PA 82601	3		Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2247121-BLK1)							Prepared: 11	1/19/22 Anal	yzed: 11/20/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,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	1/19/22 Anal	yzed: 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					
o,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	1/19/22 Anal	yzed: 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			
Foluene	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			
o,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					

0.500

70-130



Surrogate: Toluene-d8

0.521

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree11/28/20225:39:35PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Ana	

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247121-BLK1)						Prepared: 11	/19/22 Analyz	ed: 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 Analyz	ed: 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 Analyz	ed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	•
Artesia NM, 88210	Project Manager:	Greg Crabtree	11/28/2022 5:39:35PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				1	1/28/2022 5:39:35PI
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2248004-BLK1)							Prepared: 1	1/21/22 An	alyzed: 11/23/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.8		50.0		108	50-200			
CS (2248004-BS1)							Prepared: 1	1/21/22 An	alyzed: 11/23/22
riesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2248004-MS1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 An	alyzed: 11/23/22
riesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
urrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2248004-MSD1)				Source:	E211118-0	)4	Prepared: 1	1/21/22 An	alyzed: 11/23/22
tiesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	1.17	20	
urrogate: n-Nonane	53.7		50.0		107	50-200			

Chloride

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	1	schen Frey DM 9034-0009 Greg Crabtree	I #11				<b>Reported:</b> 11/28/2022 5:39:35PM
Artesia Wii, 66210				300.0/9056A	\				
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Analyst: KL  Notes
Blank (2248011-BLK1)							Prepared:	11/21/22 A	nalyzed: 11/28/22
Chloride	ND	20.0							
LCS (2248011-BS1)							Prepared:	11/21/22 A	analyzed: 11/28/22
Chloride	271	20.0	250		109	90-110			
Matrix Spike (2248011-MS1)				Source:	E211096-0	)1	Prepared:	11/21/22 A	analyzed: 11/28/22
Chloride	290	20.0	250	ND	116	80-120			
Matrix Spike Dup (2248011-MSD1)				Source:	E211096-0	)1	Prepared:	11/21/22 A	analyzed: 11/28/22

250

20.0

ND

118

80-120

1.49

#### 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	11/28/22 17:39

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 I	nformation					Chal	in of Cust	ody														Page 1	of
Client:	EOG Achen	Erm 1	Vu # 11	_	11	Bill To Attention:			1-1	wo			se Or	nly Num	has		1.0	Ian		AT	no dayd		Program
Project N			rabtree		1 1	Address:			F	211	119				occ	9	10	20	3D	2	andard	CWA	SDWA
Address						City, State, Zip			-	211						ethod		-	_	-	r –		RCRA
City, Stat	te, Zip				- 1 1	Phone:									I			Т	Г	Т	1		X
Phone:				-	- 1 1	Email:		_	ā					6.0	23			П	1			State	
	Garcia B. I	Hall G. Cra	btree T.	Knight					8	2	90	8		8	8						NM CC	UT AZ	Z TX
Report d	ue by:	_	1	1					GRO,ORO by	8 8	de M	V 82	8	å	100						X		
Time Sampled	Date Sample	d Matrix	No. of Containe	Sample	ID		Num	ab nber	0,090	BTEX by 8021	Chloride 300.0	VOC by \$260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	9	é					Remark	3
14:56	11/16/20	- 5	1	CS	294-	6	1		X	×	Y												
15:00	1	1	1	C5	295-	6	2	2	1	1	1												
14:49				CS	282-	4	3				1												
14:53				C5	283-6	6	4																
15:05			0	CS-	-305-	6	5																
15:08				CS	306-	6	6											Г					
15:16	1	L	1	CS	342-	6	7		1	T	7												
× VIS	ice in	cooler	8								-												
x date or time	of collection is	considered (	raud and mu	y be erounds	for legal action.	Sampled by: Isaac Garda															n ice the day		ed or received
THE RESERVE AND ADDRESS OF THE PARTY.	ed by: (Signati		Dar	_	Time	Received by: (Signature)	Date 11/17	Iln		Time	:58		Rece	iund	on is	0.		b Us	e Onl	ly			
Relinquishe	d by: (Signat	ure)	Dar		Time	Received by: (Signature)	Date		$\overline{}$	Time			T1		JII IL		12	t in the					
Relinquishe	rd by: (Signati	ure)	Dar		Time	Received by: (Signature)	Date			Time			AVG	-	- 9.0	_				-	T3		
Sample Mary	ix: S - Soil, Sd -	Solid Se . Si	uden A - to	inous O - Orb	er		Conta	iner'	Tune	di . Pi	lace -							e 14 - 1	VO.*	_			
Note: Samp	oles are discar	rded 30 day	s after resu	its are repor	ted unless oth	er arrangements are made. Hazardous th this COC. The liability of the laborato	samples w	ill be r	return	ned to	client	or di	spose	d of at	thec	lient e	kpen	se, T	he rep	ort fo	r the analy	sis of the a	bove
semples is	applicable on	ly to those !	samples rec	erved by the	laboratory wi	th this COC. The liability of the laborato	ry is limited	to the	e amo	ount p	aid for	on t	he rep	ort.	_	-	-	_		_			

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**Page 857 of 1109**Printed: 11/18/2022 1:33:10PM

envirotech Inc.

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

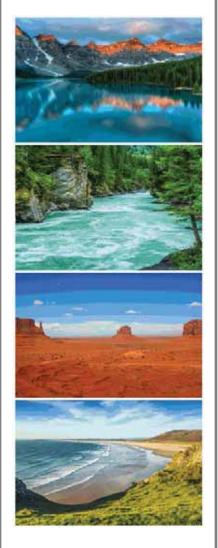
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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 o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location mate	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Is	aac Garcia		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes	_		Comment	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	* * *		140				
	e field sample labels filled out with the minimum infor	rmation:					
	Sample ID?		Yes				
]	Date/Time Collected?		Yes	L			
(	Collectors name?		Yes				
<u>Sample</u>	<b>Preservation</b>						
	the COC or field labels indicate the samples were pro-	eserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved m	etals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	: na		
	<u>instruction</u>			Suotomata Luo			
CHent	<u>iisti uctioii</u>						

Date

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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**

EC	G Resources	Project Name:	Achen Frey DM #11	D d -
104	4 South 4th Street	Project Number:	19034-0009	Reported:
Ar	tesia NM, 88210	Project Manager:	Greg Crabtree	12/06/22 17:17

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 260-6 E212020-01

	2212020 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2250011
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0500	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
	97.6 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2250011
ND	20.0	1	12/05/22	12/05/22	
	97.2 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2250004
ND	25.0	1	12/05/22	12/05/22	
ND	50.0	1	12/05/22	12/05/22	
	120 %	50-200	12/05/22	12/05/22	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2250005
122	20.0	1	12/05/22	12/05/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           97.2 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           120 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Anai           ND         0.0250         1           MD         0.0250         1           97.6 %         70-130           mg/kg         mg/kg         Anai           ND         20.0         1           97.2 %         70-130         mg/kg           Mg/kg         mg/kg         Anai           ND         25.0         1           ND         50.0         1           120 %         50-200           mg/kg         Mg/kg         Anai	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0500         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/05/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/05/22           ND         50.0         1         12/05/22           ND         50.0         1         12/05/22           ND         50.0         1         12/05/22           Mg/kg         Mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0500         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           97.6 %         70-130         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/05/22         12/05/22           ND         25.0         1         12/05/22         12/05/22           ND         50.0         1         12/05/22         12/05/22           ND         50.0         1         12/05/22         12/05/22           mg/kg



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 258-6

#### E212020-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2250005
Chloride	523	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 396-6

		ъ				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Amary		Lillit		•	Anaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: IY		yst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2250005



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 386-6

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		116 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2250005
Chloride	1010	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 376-6

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2250005
· · · · · · · · · · · · · · · · · · ·	1030	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 377-6

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
Chloride	1930	40.0	2	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 387-6

		D 4'				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		ılyst: IY	7 mary 20a	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		119 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
Chloride	1980	40.0	2	12/05/22	12/05/22	•



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 388-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		117 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2250005
Chloride	1670	20.0	1	12/05/22	12/05/22	_



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 398-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY	<u> </u>	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	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		117 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
Chloride	2380	40.0	2	12/05/22	12/05/22	·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 389-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		117 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2250005
Chloride	1210	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 379-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		123 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2250005
amons by Elitection / Octob						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 294-8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		122 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2250005
	523	20.0		12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 394-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY	<u> </u>	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	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		122 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
Chloride	863	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 399-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		118 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
· · · · · · · · · · · · · · · · · · ·	528	20.0		12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

#### 360-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		121 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2250005
Chloride	649	20.0	1	12/05/22	12/05/22	



Surrogate: 4-Bromochlorobenzene-PID

7.85

## **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 12/6/2022 5:17:18PM

Artesia NM, 88210		Project Manager		reg Crabtree					12/6/2022 5:17:18PM
		Volatile (	Organics b	oy EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250011-BLK1)							Prepared: 1	2/05/22 An	nalyzed: 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: 1	2/05/22 An	nalyzed: 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: 1	2/05/22 An	nalyzed: 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	

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

7.71

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/6/20225:17:18PM

Artesia NM, 88210		Project Manage	r: Gı	eg Crabtree				12/0	5/2022 5:17:18PM
	Non	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N.
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250011-BLK1)							Prepared: 1	2/05/22 Analy	zed: 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: 1	2/05/22 Analy	zed: 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: 1	2/05/22 Analy	zed: 12/06/22
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130	9.67	20	

8.00

70-130

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 5:17:18PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					12/6/2022 5:17:18PN
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250004-BLK1)							Prepared: 1	2/05/22 Ar	nalyzed: 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: 1	2/05/22 Ar	nalyzed: 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: 1	2/05/22 Ar	nalyzed: 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: 1	2/05/22 Ar	nalyzed: 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			



Chloride

Chloride

Matrix Spike (2250005-MS1)

Matrix Spike Dup (2250005-MSD1)

Prepared: 12/05/22 Analyzed: 12/05/22

Prepared: 12/05/22 Analyzed: 12/05/22

20

## **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Project Number:		ichen Frey DM 9034-0009	I #11				Reported:
Artesia NM, 88210		Project Manager:		reg Crabtree					12/6/2022 5:17:18PM
		Anions l	by EPA	300.0/9056 <i>A</i>	1				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
	ilig/kg	ilig/kg	mg/kg	mg/kg	70	70			
Blank (2250005-BLK1)							Prepared: 12	2/05/22 A	analyzed: 12/05/22
Chloride	ND	20.0							
LCS (2250005-BS1)							Prepared: 12	2/05/22 A	analyzed: 12/05/22
Chloride	259	20.0	250		103	90-110			

250

250

20.0

20.0

101

103

80-120

80-120

1.02

Source: E212020-01

Source: E212020-01

122

122

376

379

#### 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	12/06/22 17:17

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 I	nformation					Chain	of Custody														Page 3	of_
Project   Address	Achen Fra Manager: :	Greg Cra	¢(/ abtree			Bill To Attention: Address: City, State, Zip		Lab E 2	W0:			Job /90 Anal		ber oo	Q ethor	1D 2D 3D			Standard		EPA P	SDWA RCRA
City, Sta Phone: Email: I Report o	. Garcia B. Ha	II G. Crab	tree T. K	night	1 1	Phone: Email:		DRO,GRO,ORO by 8015	8021	300.0	8260	010	Full TCLP w/o H&P	Semi-Volitiles 8270						NM CO	State UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D		Lab Number	DRO,GR 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCL	Semi-Vo	RCI	PCB's		3			Remarks	
11:31	luiler	5	١	26	0-6		1	K	X	x												
11:34		-	1	25.	5-6		2	1	1	,												
12:36				396	5-6		3	1	Ш													
12:40				380	6-6	ONE	4															
10:45				37	6-6		5					L										
12:48				37:	7-6		6	1	1							9						
12:51				38	7-6		7															
12:54				38	8-6		8															
12:57				39	8 -6		9		1													
13;00	1		+	380	7-6		10	7	7	T				3								
x														STITE OF								
	of collection is co		ud and may	be grounds t	or legal action.	Sampled by: Isaac Garcia														n ice the day th ubsequent day		d or received
Som	ed by: (Signature			25/2	Time 19123	Regelyed by Signature of	12/5/2	2.	Time 8	10		Rece	eived	on ic	e:		b Us	e Onl	У			39
	ed by: (Signature		Date		Time	Received by: (Signature)	Date		Time			T1			_ 8	T2			_ :	тз		
Relinquish	ed by: (Signature	:)	Date	3 200 3 110	Time	Received by: (Signature)	Date		Time			AVG	Tem	p°C	4							
	rix: S - Soil, Sd - So						Container	Туре	:g-g	lass,	p - pc	oly/pla	astic,	ag - a	mber	glas	s, v - \	VOA				
Note: Sam samples is	ples are discarde applicable only t	d 30 days a to those sa	after result mples rece	s are reportived by the	ted unless oth laboratory wit	er arrangements are made. Hazardous s th this COC. The liability of the laboratory	amples will be is limited to the	retur	ned to	clien aid fo	t or di or on t	ispose the rep	d of a	the c	lient	expen	se. T	he rep	ort fo	r the analys	is of the al	oove

Page 26 of 30

Project I	nformation					Chair	n of Custody	ii.													Page _	<u></u> of
Project Address	Ackes F Manager:	Greg Cra	m ¤// abtree			Bill To Attention: Address: City, State, Zip			21Z	#		190	Nun 34'-	000	ethod	X		3D	St	andard	EPA I	SDW.
Report o	. Garcia B. Ha	II G. Crab	tree T. K	night	1 1	Phone: Email:		GRO,ORO by	y 8021	Chloride 300.0	8260	6010	Full TCLP w/o H&P	Semi-Volitiles 8270						NM CO	State UT AZ	X
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	ID		Lab Number	DRO,GF	BTEX by 8021	Chlorid	VOC by 8260	Metals 6010	Full TCL	Semi-Ve	Dã.	PCB's					Remarks	s
13:03	12/1/22	5	ı	370	7-6		11	X	X	X	_							ļ.,				
14:07		-		794	1-8		12	1	1	1										1-15-27		
14:12				394	۵- ا		13															
14:16				390	1-6	0	14	1/														
14:18	+	1		360	-6		15	6	1	1	-											
		Ja			*****	500 - 400 P- 10		$\vdash$		-	H								-			
						3 335 42	-											$\dashv$	1			
x								-														
	of collection is co		ud and may	be grounds	for legal action.	Sampled by: Issac Garcia														ice the day thubsequent day		ad or receive
Son	ed by: (Signature			12/22	Time 19:23	Received by (Signature)	- 12/5/2	2	Time	10	)	Rece	ived	on ic	e:		b Use	e Onl	У		XV-1933	
Relinquish	ed by: (Signature	e)	Date		Time	Received by: (Signature)	Date		Time			T1		0.25.43		-	. 100		_ 1	гз		
Relinquish	ed by: (Signature	e)	Date		Time	Received by: (Signature)	Date	70.77	Time				Tem	n°C	4				7 8			
						212.0	Containe	г Туре	e: g - g	lass,	p-po	oly/pla	astic,	ag - a	mber	glass	s, v - \	/OA	_			
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other					er arrangements are made. Hazardous th this COC. The liability of the laborator	Container samples will be y is limited to t	retur	ned to	clien	p - po	spose	astic, d of at	ag - a	mber lient e	glass	s, v - \ se. Tl	/OA he rep	ort fo	r the analys	is of the a	-	

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Printed: 12/5/2022 12:06:40PM

#### **Envirotech Analytical Laboratory**

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	W	ork Order ID:	E212020
Phone:	(575) 748-4217	Date Logged In:	12/05/22	08:19	Lo	ogged In By:	Caitlin Christian
Email:		Due Date:	12/05/22	17:00 (0 day TAT)			
1. Does th 2. Does th 3. Were s 4. Was th	Custody (COC)  ne sample ID match the COC? ne number of samples per sampling site location mat amples dropped off by client or carrier?  e COC complete, i.e., signatures, dates/times, reques Il samples received within holding time?  Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssis	ated analyses?	Yes Yes Yes Yes Yes	Carrier: <u>Is</u>	saac Garcia	Comment	s/Resolution
	Turn Around Time (TAT)				Draigat Asha	n Enov DM	#11 has been
	e COC indicate standard TAT, or Expedited TAT?		Yes		_	•	#11 has been
Sample C	<u>Cooler</u> sample cooler received?		Yes		_	-	due to sample
	was cooler received in good condition?		Yes		volume. World		e as follows:
	e sample(s) received intact, i.e., not broken?		Yes		E212019 & E	E212020.	
	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container _	<u> </u>	_				
	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
S D	oel field sample labels filled out with the minimum info ample ID? late/Time Collected? follectors name?	rmation:	Yes Yes Yes				
	Preservation		168				
	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
28. Are s	ract Laboratory amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab	v: na		
Client I	<u>nstruction</u>						
Signat	ure of client authorizing changes to the COC or sample dis	oosition.			Date		. envirotech Inc

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

Released to Imaging: 1/30/2023 11:16:00 AM

Project I	nformation					Chain	of Custody													Page _3	of 7
Project N Address:	Achen Fra Manager:	Greg Cra				Bill To Attention: Address: City, State, Zip		Lab E	wo.	#	53+21476	Job /90 Analy	Num	000		X	2D	3D		EPA F	SDWA RCRA
City, Star Phone: Email: I. Report d	Garcia B. Ha	II G. Crab	tree T. Kr	night		Phone: Email:	Lab Number	о,ово by	8021	300.0	8260	010	Full TCLP w/o H&P	Semi-Volitiles 8270					NM CO	State UT AZ	X
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D		Lab Number	DRO,GR	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCL	Semi-Vo	RCI	PCB's				Remarks	
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11:34			1	25	2-60	9 258-6	2	1	,	1									Clie	1+ch	aroxe
12:36				396	5-6		3	1											12/0	عدام	Nan
12:40				380	6-6		4														
12:45				37	6-6		5														
12:48				37:	7-6		6														
12:51				38:	7-6		7													3 - 3	
12:54				388	8-6		8													Dress.	-
12:57				39	8 -6		9		1												
13;00	1	_	+	389	7-6		10	I	I	T			$\neg$								
x			,									Samples	requiri	ng then	mal pre	servatio	on must	be recei	ived on ice the day t	hey are sample	ed or received
	of collection is co		ud and may l	e grounds f	or legal action.	Sampled by: Isaac Garcia  Regelyed by/(Signature)	Date		Time		_	packed I	n ice at	an avg	temp at			than 6°	C on subsequent da	s.	
Clan	ed by: (Signature	~		VIZ	19123 Time	Received by: (Signature)	Date   12/5   2	2	Time 8./	0	_	Recei	ved (	on ic	e:	Ø		2 Offity			61
-15-32.60	ed by: (Signature	-270	Date		Time	Received by: (Signature)	Date		Time		_	<u>T1</u>			_ 1	2			<u>T3</u>		
L.						necessed by: (Signature)						AVG			4						
	rix: S - Soil, Sd - So						Container	Туре	:g-g	lass,	p - po	ly/pla	stic, a	ig - ar	mber	glass	, v - V	/OA			
samples is	pies are discarde	to those sa	anter results moles recei	are report	lea uniess oth	ter arrangements are made. Hazardous s	amples will be	retur	ned to	client	ordi	sposed	of at	the cl	ient e	xpens	e. Th	ne repo	ort for the analy	sis of the al	oove

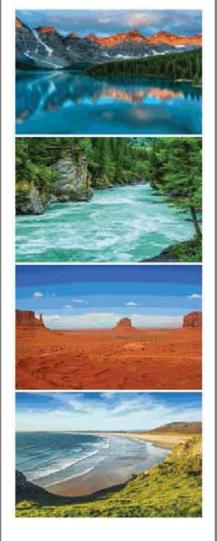
Project Informa	tion

Chain of Custody

Page <u>4</u> of <u>4</u>

Client:	E06				$\Box$	Bill To				La	ab U	se Or	nly				01	TA	AT	EPA P	rogram
Project:	Achen F			_	1 1	Attention:		Lab	WO	# _		1/2/15/57	Num			10		3D	Standard	CWA	SDWA
Address	Manager:	Greg Cr	aptree	-	1 1	Address:		E	212	DZ				000		X					
City, Sta					1 1	City, State, Zip		_	_	_	_	Analy	/sis a	nd M	ethod		_				RCRA
Phone:	ce, zip				1 1	Phone: Email:			1			ı	١.					ΙI		1	×
	Garcia B. Ha	II G. Crah	tree T. Kr	night	1 1	:mail:		o by	1			1	H&	827				1 1	NA AL CO	State	T-7/1
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D		Lab Number	DRO,GR	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	RCI	\$,80d				Remarks	
13:03	12/1/22	5	l	379	-6		11	X		X										V	
14:07	1	1		794	-8		12	1	1	1.			ji i								
14:12				394	-(م		13														
14:16				399	-6		14														
14:18	1	1	1	360	-6		15	6	1	1											
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x																		_		-	
x date or time	of collection is co	nsidered fra	ud and may l	e grounds fo	or legal action.	Sampled by: Isaac Garcia													ived on ice the day C on subsequent da		or received
	d by: (Signature		Date	2122	Time 19:23	Regived by (Signature) ht	Date 12/5/2	2	Time 8'.	10		Recei					b Us	e Only	299 0	***	
	d by: (Signature	e)	Date		Time	Received by: (Signature)	Date		Time			T1	veu	01110		12	IN		тз		
Relinquishe	d by: (Signature	e)	Date		Time	Received by: (Signature)	Date		Time			AVG	Tem	°°	4	_	-001		_ 13		
Sample Matr	ix: S - Soil, Sd - Soi	lid, Sg - Slud	ge, A - Aqueo	ous, O - Othe			Container	Type	: g - pl	ass. n					mher	place	V-1	/OA			
Note: Samp samples is a	les are discarde applicable only t	d 30 days a to those sar	after results mples recei	are report	ed unless other	er arrangements are made. Hazardous h this COC. The liability of the laborator	samples will be	retur	ned to	client	or dis	sposed	of at	the cl	ient e	xpens	e. T	he repo	ort for the analy	sis of the ab	ove

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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ljarboe@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	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/06/22 16:15

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 351-6 E212019-01

		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		94.1 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		102 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2250007
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10)	mg/kg ND	mg/kg 20.0		Analyst:	IY 12/05/22	12/05/22	Batch: 2250007
			70-130			12/05/22 12/05/22	Batch: 2250007
Gasoline Range Organics (C6-C10)		20.0			12/05/22		Batch: 2250007
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene		20.0	70-130		12/05/22 12/05/22	12/05/22	Batch: 2250007
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4		20.0 94.1 % 95.3 %	70-130 70-130		12/05/22 12/05/22 12/05/22 12/05/22	12/05/22 12/05/22	Batch: 2250007
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8	ND	20.0 94.1 % 95.3 % 102 %	70-130 70-130	1	12/05/22 12/05/22 12/05/22 12/05/22	12/05/22 12/05/22	
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Nonhalogenated Organics by EPA 8015D - DRO/ORO	ND mg/kg	20.0 94.1 % 95.3 % 102 % mg/kg	70-130 70-130	1	12/05/22 12/05/22 12/05/22 12/05/22 JL	12/05/22 12/05/22 12/05/22	
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Nonhalogenated Organics by EPA 8015D - DRO/ORO  Diesel Range Organics (C10-C28)	ND mg/kg ND	20.0 94.1 % 95.3 % 102 % mg/kg 25.0	70-130 70-130	1	12/05/22 12/05/22 12/05/22 12/05/22 JL 12/05/22	12/05/22 12/05/22 12/05/22 12/05/22	
Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Nonhalogenated Organics by EPA 8015D - DRO/ORO  Diesel Range Organics (C10-C28)  Oil Range Organics (C28-C36)	ND mg/kg ND	20.0 94.1 % 95.3 % 102 % mg/kg 25.0 50.0	70-130 70-130 70-130	1	12/05/22 12/05/22 12/05/22 12/05/22 JL 12/05/22 12/05/22 12/05/22	12/05/22 12/05/22 12/05/22 12/05/22 12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

#### 352-6

#### E212019-02

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene	·	98.1 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		99.9 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: 1	IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1		12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		99.9 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		109 %	50-200	·	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	KL		Batch: 2250008
7 HIOHS DY E117 500:0/203011							



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

#### 349-6

#### E212019-03

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		96.2 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		99.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		99.7 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		107 %	50-200	12/05/22	12/05/22	
	/1	ma/ka	Δ	analyst: KL		Batch: 2250008
Anions by EPA 300.0/9056A	mg/kg	mg/kg	71	maryst. KL		Batch. 2230000



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 347-6 E212019-04

		2212019 01				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2250007
Benzene	ND			12/05/22	12/05/22	Batem 220007
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	
Surrogate: Bromofluorobenzene		96.7 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg mg/kg Analyst: IY			Batch: 2250007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		102 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		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	_



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

#### 348-6

E212019-05							
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	Y		Batch: 2250007
Benzene	ND	0.0250	1	l	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	l	12/05/22	12/05/22	
Toluene	ND	0.0250	1	l	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	l	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	l	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	[	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		101 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	Y		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		101 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	IL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	12/05/22	12/05/22	
Surrogate: n-Nonane		108 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	KL		Batch: 2250008

20.0

12/05/22

12/05/22

125



Chloride

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

#### 345-6

#### E212019-06

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	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	<u> </u>	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.6 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		110 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2250008



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

### 343-6

		E212019-07				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2250007
Benzene	ND	0.0250	1	12/05/2	22 12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/2	22 12/05/22	
Toluene	ND	0.0250	1	12/05/2	22 12/05/22	
o-Xylene	ND	0.0250	1	12/05/2	22 12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/2	22 12/05/22	
Total Xylenes	ND	0.0250	1	12/05/2	22 12/05/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130	12/05/2	22 12/05/22	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	12/05/2	22 12/05/22	
Surrogate: Toluene-d8		100 %	70-130	12/05/2	22 12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/2	22 12/05/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130	12/05/2	22 12/05/22	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	12/05/2	22 12/05/22	
Surrogate: Toluene-d8		100 %	70-130	12/05/2	22 12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2250003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/2	22 12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/2	22 12/05/22	
Surrogate: n-Nonane		113 %	50-200	12/05/2	22 12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2250008

20.0

33.6

12/05/22

12/05/22



Chloride

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 341-6

		E212019-08				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepar	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		97.4 %	70-130	12/05/	/22 12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/05/	/22 12/05/22	
Surrogate: Toluene-d8		103 %	70-130	12/05/	/22 12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/	22 12/05/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130	12/05/	/22 12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/05/	/22 12/05/22	
Surrogate: Toluene-d8		103 %	70-130	12/05/	/22 12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		110 %	50-200	12/05/	/22 12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2250008

20.0

12/05/22

12/05/22

77.1



Chloride

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 339-6 E212019-09

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
			Di	Analyst:		7 mary zea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Allalyst		12/05/22	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	
Surrogate: Bromofluorobenzene		98.2 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.2 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		104 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 340-6

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2250007
Benzene	ND	0.0250	1	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	l	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	12/05/22	12/05/22	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 337-6

		E212019-11					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2250007
Benzene	ND	0.0250	1	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	
Surrogate: Bromofluorobenzene		99.9 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.9 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 329-6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	Y		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	
Surrogate: Bromofluorobenzene		96.9 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		104 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IX	Y		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1		12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		104 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			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	
Surrogate: n-Nonane		112 %	50-200		12/05/22	12/05/22	
A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2250008
Anions by EPA 300.0/9056A	8 8	<u> </u>					



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 327-6

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2250007
Benzene	ND	0.0250	1	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	l	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	12/05/22	12/05/22	
Surrogate: n-Nonane		110 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2250008
	63.2	20.0	· ·	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 328-6

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		93.8 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		105 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		105 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		111 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2250008
11110110 0 9 121111 0 0 0 0 0 7 9 0 0 0 1 1						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 325-6

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	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	
Surrogate: Bromofluorobenzene		106 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		106 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		93.0 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		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	l	12/05/22	12/05/22	
Surrogate: n-Nonane		115 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2250008



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 326-6

E212019-16							
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		104 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		104 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 321-6 E212019-17

		1212017 17				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg		analyst: IY	, 4	Batch: 2250007
Benzene	mg/kg 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	
Surrogate: Bromofluorobenzene		105 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	analyst: IY		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		105 %	70-130	12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	12/05/22	12/05/22	
Surrogate: Toluene-d8		92.5 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		118 %	50-200	12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: KL		Batch: 2250008
Chloride	301	20.0	1	12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 322-6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2250007
Benzene	ND	0.0250	1	l	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	l	12/05/22	12/05/22	
Toluene	ND	0.0250	1	l	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	l	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		103 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		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	Į.	12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		103 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		94.0 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		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	1	12/05/22	12/05/22	
Surrogate: n-Nonane		110 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2250008



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

## 363-6

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		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	
Surrogate: Bromofluorobenzene		101 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		94.6 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2250007
Gasoline Range Organics (C6-C10)	ND	20.0	1		12/05/22	12/05/22	
Surrogate: Bromofluorobenzene		101 %	70-130		12/05/22	12/05/22	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		12/05/22	12/05/22	
Surrogate: Toluene-d8		94.6 %	70-130		12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: J	L		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	
Surrogate: n-Nonane		112 %	50-200		12/05/22	12/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: k	KL		Batch: 2250008



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

# 362-6

E212019-20								
Reporting								
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2250007	
Benzene	ND	0.0250	1	1	12/05/22	12/05/22		
Ethylbenzene	ND	0.0250	1	1	12/05/22	12/05/22		
Toluene	ND	0.0250	1	1	12/05/22	12/05/22		
o-Xylene	ND	0.0250	1	1	12/05/22	12/05/22		
p,m-Xylene	ND	0.0500	1	1	12/05/22	12/05/22		
Total Xylenes	ND	0.0250	1	1	12/05/22	12/05/22		
Surrogate: Bromofluorobenzene		123 %	70-130		12/05/22	12/05/22		
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130		12/05/22	12/05/22		
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22		
Surrogate: Bromofluorobenzene		123 %	70-130		12/05/22	12/05/22		
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130		12/05/22	12/05/22		
Surrogate: Toluene-d8		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	1	12/05/22	12/05/22		
Oil Range Organics (C28-C36)	ND	50.0	1	1	12/05/22	12/05/22		
Surrogate: n-Nonane		111 %	50-200		12/05/22	12/05/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KI	_		Batch: 2250008	

20.0

12/05/22

12/05/22

ND



Chloride

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/6/2022 4:15:58PM

Artesia NM, 88210		Project Manage	r: Gı	reg Crabtree				1	2/6/2022 4:15:58PN
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250007-BLK1)							Prepared: 1	2/05/22 Ana	alyzed: 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: 1	2/05/22 Ana	alyzed: 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: 1	2/05/22 Ana	alyzed: 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			

0.500

70-130



Surrogate: Toluene-d8

0.532

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/6/2022 4:15:58PM

Nonhalogenated	Organics by	7 EPA 8015D	- GRO

Analyst: IY

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2250007-BLK1)						Prepared: 12	2/05/22 Aı	nalyzed: 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	2/05/22 Aı	nalyzed: 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	2/05/22 Aı	nalyzed: 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			



EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 4:15:58PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					12/6/2022 4:15:58PN
_	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250003-BLK1)							Prepared: 1	2/05/22 Ar	nalyzed: 12/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.5		50.0		107	50-200			
LCS (2250003-BS1)							Prepared: 1	2/05/22 Ar	nalyzed: 12/05/22
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
urrogate: n-Nonane	55.1		50.0		110	50-200			
Matrix Spike (2250003-MS1)				Source:	E212019-	18	Prepared: 1	2/05/22 Ar	nalyzed: 12/05/22
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
urrogate: n-Nonane	54.1		50.0		108	50-200			
Matrix Spike Dup (2250003-MSD1)				Source:	E212019-	18	Prepared: 1	2/05/22 Ar	nalyzed: 12/05/22
Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.4	38-132	18.7	20	
hurrogate: n-Nonane	56.2		50.0		112	50-200			



Chloride

## **QC Summary Data**

EOG Resources		Project Name:	Α	Achen Frey DM	<b>1</b> #11				Reported:	
104 South 4th Street		Project Number:	1	9034-0009						
Artesia NM, 88210		Project Manager	: 0	Greg Crabtree					12/6/2022 4:15:58F	PM
		Anions	by EPA	300.0/9056	4				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
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	

250

20.0

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	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/06/22 16:15

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 I	nformation					Chain	of Custo	ody													1	Page/	of _4_
Client:	E06					Bill To				_	L	ab U	se Or	nly			П		TA	AT		EPA P	rogram
Project N	Achen Fro Manager:	Greg Cra	abtree			Attention: Address:		3	Lab	WO#	20	19	Job /901	Num	ber 209		1D X	2D	3D	Sta	andard	CWA	SDWA
Address:			SP 16-0-		1.7	City, State, Zip			_						nd Me	ethod	1	-	_				RCRA
City, Stat	e, Zip				1 7	Phone:			$\Box$									П					X
Phone:						Email:			à					8	270		1	9				State	
	Garcia B. Ha	II G. Crab	tree T. Kr	night					8	12	0.0	9		10/	les 8				1 1	LΙ	NM CO	UT AZ	TX
Report d	ue by:			_					GRO,ORO by	y 8021	le 30	/826	601	ě,	ollti						$\mathbf{x}$		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	2		La Num	ib iber	DRO,G 8015	втех ь	Chloride 300.	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	D.	PCB's					Remarks	
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х												70.00				_							
x date or time	of collection is co	onsidered fra	aud and may	be grounds f	or legal action	Sampled by: Isaac Garcia															on ice the day the		d or received
Relinquishe	ed by: (Signature	<u>-</u>	Date /2/	12/22	Time 19:23	Received by Hignapure	Date 12/	5/2	7.	Time &	10		Rece	ived	on ic	ъ.		ab Us 7/ N	e Onl	у			to:
Relinquishe	d by: (Signature	2)	Date	j j	Time	Received by: (Signature)	Date Time											тз					
Relinquishe	d by: (Signature	2)	Date		Time	Received by: (Signature)	Date			Time			AVG	Tem	n°C	11						3.	
Sample Matr	ix: S - Soil, Sd - Soi	olid, Sg - Slud	ge. A - Aque	ous, O - Othe			Conta	ainer	Type	0-0	lass.						r glas	s.v-	VOA				
Note: Samp	les are discarde	ed 30 days a	after results	s are reporte	ted unless oti	her arrangements are made. Hazardous sith this COC. The liability of the laboratory	samples w	ill be	return	ned to	client	t or di	ispose	d of a						ort fo	or the analys	is of the al	oove

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Project I	nformation					Chain o	of Custody														Page <u>1</u>	of
Client:	F06					Bill To		T		L	ab U	se O	nly			Г	100	T/	AT		EPA P	rogram
Project:	Acher For Manager:	Greg Cr	abtree			Attention: Address:	_	Lab	wo.	# 01	9	Job	Num	ber 000	9	1D	2D	3D	St	andard	CWA	SDWA
Address						City, State, Zip		-			•		ysis a			1/		_				RCRA
City, Sta			West of the			Phone:			T	Т	T	T	T		T		П					x
Phone:						Email:		>	1	1		1	2	8			1				State	710
Email: I	. Garcia B. I	Hall G. Crab	otree T. Ki	night				8	_ E	8		١.,	3	88.2	Į		1			NM CO	UT AZ	TX
Report o	lue by:					5-0-076	-726	000	803	8	826	100	N A	1						X		
Time Sampled	Date Sample	d Matrix	No. of Containers	Sample ID			Lab Number	DRO,GRO,ORO by	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	<u>D</u>	PCB's					Remarks	
11:02	141/22	5	1	337	-6	status and a second	11	X	X	x												
11:05	1	11	1	329	-6	- 1997	12	1	1	1												
11:08				327	-6		13	1	Ц	Ш								8				
11:11				328	-6		14		П													
11:14				325	-6		15									100						
11:17				326	ے ۔		16														18.20.3 (2.00)	
11:19				321-	6		17	Π						0.								
11:22				322	-6		18	$\prod$														-14-
11:24				363	-6		19	17			h					li lineza					9300	
11:27	1	1	17	362	-6		20	1	I	I												
×										=0.000												
x date or time	of collection is	considered fr	aud and may	be grounds for I	egal action	Sampled by: Isaac Garda														n ice the day th ubsequent day		d or received
Relinguish	ed by: (Signat	ure)	Date /2/		me 9:25	Received by: Bignature Cht	Date 12/5/2	"	Time	:/0	)	Rece	ived	on ic	۰.		b Us	e Onl	У		. Section = 1	17
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Relinquish	ed by: (Signat	ure)	Date	n	me	Received by: (Signature)	Date		Time			AVG	Tom	n°C	T., .	T2_						
Sample Mat	rix: S - Soll, Sd -	Solid. Sg - Slu	dge. A - Acue	ous O - Other			Containe	Type		lass	p - pr	alv/el:	astic	20 - 2	mber	r glass	s v - 1	/OA		-	7.27	_
Note: Sam	ples are disca	rded 30 days	after result	s are reported	unless of	her arrangements are made. Hazardous sa vith this COC. The liability of the laboratory is	mples will be	retur	ned to	clien	tord	ispose	d of a						ort fo	r the analys	is of the ab	oove

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Printed: 12/5/2022 12:04:23PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

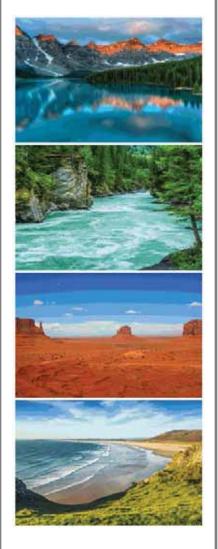
Instructions: Please take note of any NO checkmarks.

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	V	Vork Order ID:	E212019
Phone:	(575) 748-4217	Date Logged In:	12/05/22	08:19	I	logged In By:	Caitlin Christian
Email:		Due Date:	12/05/22	17:00 (0 day TAT)			
1. Does to 2. Does to 3. Were so 4. Was th 5. Were a	Custody (COC)  ne sample ID match the COC?  ne number of samples per sampling site location mat  namples dropped off by client or carrier?  e COC complete, i.e., signatures, dates/times, reques  ll samples received within holding time?  Note: Analysis, such as pH which should be conducted ir  i.e, 15 minute hold time, are not included in this disucssic  curn Around Time (TAT)	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>Is</u>	saac Garcia		s/Resolution
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		_	•	#11 has been
<ul><li>8. If yes,</li><li>9. Was th</li><li>10. Were</li></ul>	sample cooler received? was cooler received in good condition? e sample(s) received intact, i.e., not broken? custody/security seals present?		Yes Yes Yes No		volume. Wo	rkorders are	due to sample e as follows:
12. Was th	were custody/security seals intact?  e sample received on ice? If yes, the recorded temp is 4°C,  Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	NA Yes				
	Container VOC 1 1 2		3.7				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)? trip blank (TB) included for VOC analyses?		NA NA				
	on-VOC samples collected in the correct containers.	)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal 20. Were S	· · · · · · · · · · · · · · · · · · ·		Yes Yes Yes				
Sample I	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
	filteration required and/or requested for dissolved m	ietais?	No				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
	, does the COC specify which phase(s) is to be analy	/zeu:	NA				
28. Are s	ract Laboratory  amples required to get sent to a subcontract laborator  subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	o: na		
Client I	<u>nstruction</u>						
							<i>C</i> 3
Signa	ure of client authorizing changes to the COC or sample dis	position.			Date		envirotech Inc

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

Report to:
Greg Crabtree



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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# Sample Summary

EOG Resources	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/06/22 15:29

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 3:29:40PM

## 336-14 E212021-01

	E212021-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2250011
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0500	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
	97.8 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2250011
ND	20.0	1	12/05/22	12/05/22	
	85.1 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2250004
ND	25.0	1	12/05/22	12/06/22	
ND	50.0	1	12/05/22	12/06/22	
	120 %	50-200	12/05/22	12/06/22	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2250005
1020	20.0	1	12/05/22	12/05/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           97.8 %         mg/kg           MB/kg         mg/kg           ND         20.0           85.1 %         mg/kg           ND         25.0           ND         50.0           120 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         Ana           ND         20.0         1           85.1 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           120 %         50-200           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: 1Y           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0500         1         12/05/22           ND         0.0250         1         12/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/05/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/05/22           ND         50.0         1         12/05/22           ND         50.0         1         12/05/22           ND         50.0         1         12/05/22           ND         50.0         1         12/05/22           ng/kg         mg/kg         Analyst: JL	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0500         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           MD         0.0250         1         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: IV         ND         20.0         1         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         12/05/22         12/05/22         12/06/22           ND         25.0         1         12/05/22         12/06/22         12/06/22         12/06/22         12/06/22         12/06/22         12/06/22           ND         50.0         1         12/05/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 3:29:40PM

## 334-14

## E212021-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		127 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2250005
				12/05/22	12/05/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 3:29:40PM

## 334/336 W.Wall

## E212021-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2250011
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: n-Nonane		126 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2250005
Allions by EFA 300.0/9030A						



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 3:29:40PM

## 334/336 N.Wall

E21		

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2250011
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
ND	0.0500	1	12/05/22	12/05/22	
ND	0.0250	1	12/05/22	12/05/22	
	98.3 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2250011
ND	20.0	1	12/05/22	12/05/22	
	92.8 %	70-130	12/05/22	12/05/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2250004
ND	25.0	1	12/05/22	12/06/22	
		1	12/05/22	12/06/22	
ND	50.0	1	12/03/22	12/00/22	
ND	122 %	50-200	12/05/22	12/06/22	
ND mg/kg					Batch: 2250005
	mg/kg  ND ND ND ND ND ND ND ND ND MD ND Mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         98.3 %           mg/kg         mg/kg           ND         20.0           92.8 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           92.8 %         70-130           mg/kg         Anal           mg/kg         Mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0250         1         12/05/22           ND         0.0500         1         12/05/22           ND         0.0250         1         12/05/22           mg/kg         70-130         12/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/05/22           mg/kg         70-130         12/05/22           mg/kg         mg/kg         Analyst: IY	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/05/22         12/05/22           ND         0.0500         1         12/05/22         12/05/22           ND         0.0250         1         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/05/22         12/05/22           mg/kg         mg/kg         Analyst: IY           mg/kg         mg/kg         Analyst: JL



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/6/2022 3:29:40PM

## 373-6

## E212021-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	12/05/22	12/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		127 %	50-200	12/05/22	12/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2250005



Surrogate: 4-Bromochlorobenzene-PID

7.85

# **QC Summary Data**

EOG Resources Project Name: Achen Frey DM #11

Reported:

104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210 Project Manager: Greg Crabtree 12/6/2022 3:29:40PM

Artesia NM, 88210		Project Number: Project Manager:		reg Crabtree					12/6/2022 3:29:40PM
		Volatile O	rganics b	oy EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250011-BLK1)							Prepared: 1	2/05/22 A	nalyzed: 12/05/22
Benzene	ND	0.0250							
Ethylbenzene	0.0270	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 1	2/05/22 A	nalyzed: 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			
Foluene	4.91	0.0250	5.00		98.1	70-130			
-Xylene	4.88	0.0250	5.00		97.7	70-130			
o,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: 1	2/05/22 A	nalyzed: 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	
Foluene	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	
o,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	

8.00

70-130



EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/6/20223:29:40PM

Artesia Nivi, 88210		Froject Manage	i. Gi	eg Crabilee				,	.2/0/2022 3.29. <del>4</del> 01 W
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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
Blank (2250011-BLK1)							Prepared: 1	2/05/22 An	alyzed: 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: 1	2/05/22 An	alyzed: 12/06/22

LCS (2250011-BS2)						Prepared: 12	2/05/22 Analyze	d: 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	2/05/22 Analyze	d: 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			

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/6/20223:29:40PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	2/6/2022 3:29:40PN
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250004-BLK1)							Prepared: 1	2/05/22 Ana	alyzed: 12/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	64.0		50.0		128	50-200			
LCS (2250004-BS1)							Prepared: 1	2/05/22 Ana	alyzed: 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: 1	2/05/22 Ana	alyzed: 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: 1	2/05/22 Ana	alyzed: 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			

Chloride

# **QC Summary Data**

EOG Resources		Project Name:		chen Frey DM	<b>1</b> #11				Reported:	
104 South 4th Street Artesia NM, 88210		Project Number Project Manager		9034-0009 reg Crabtree					12/6/2022 3:29:40PM	ſ
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
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	

250

20.0

122

103

80-120

1.02

#### 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	12/06/22 15:29

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 I	nformation					Chai	n of Custody													Page	of
Client:	EOG Aehen Fr	w DN	( tr   /			Bill To Attention:						Use Only Job Number			TAT 1D   2D   3D   Standard				Program		
Project N	Project Manager: Greg Crabtree Address:					Address: City, State, Zip			EZIZOZI			4034-0009 Analysis and Method			X			CWA			
City, Sta						none:			Т		П	Anan	ysis ai	no ivi	Linoc			П	-	_	RCRA
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Report d	ue by:						1	000	34 80	de 30	y 826	109	J.P.	/oliti					X		100
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample 1	D		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-Volitiles 8270	PG.	PCB's				Remarks	5
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10:02				35	11336 X	).Wall	4														
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x date or time	of collection is co	nsidered fra	ud and ma	be grounds f	or legal action.	Sampled by: Isaac Garcia													ed on ice the day on subsequent da		ed or received
Relinquish	ed by: (Signature	2)	Date /C	12/22	Time 19:25	Received by (Signature)	Date /2/5/2	z	Time 8!	10		Rece	ived	on ic	e.	W C		Only	211111111111111111111111111111111111111		
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Relinquish	elinquished by: (Signature) Date Time				Time	Received by: (Signature)	Date		Time		7.77	AVG	Tom	n°c	11				15		
Sample Mat	rix: S - Soil, Sd - Soi	lid, Sg - Stud	ge, A - Agu	eous, O - Othe	r		Containe	Type	:0-0	lass	D - DC	lv/ola	stic :	ag - a	mber	place	. v - \	(OA			
Note: Sam	oles are discarde	d 30 days	after resul	ts are report	ted unless other	arrangements are made. Hazardous this COC. The liability of the laborator	samples will be	retur	ned to	clien	t or di	sposed	d of at	the c	lient e	xpen	se. Th	ne repor	rt for the analy	sis of the al	bove

Page 15 of 16

Printed: 12/5/2022 12:09:53PM

## **Envirotech Analytical Laboratory**

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)			
Chair a	Contrador (COC)						
	Custody (COC)		**				
	ne sample ID match the COC? ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	en die Coc	Yes Yes	G : I	<i>c</i> :		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: 1	saac Garcia		
	Il samples received within holding time?	nea anaryses.	Yes				
	Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
	Aurn Around Time (TAT)  • COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes				
	reservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	eservea:	NA				
	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix		110				
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		,204.	INA				
	act Laboratory	9	N.T.				
	amples required to get sent to a subcontract laborator	-	No	C1 4 4T 1			
	subcontract laboratory specified by the client and if	so wno?	NA	Subcontract Lab	o: na		
Client Ir	<u>istruction</u>						
							(3)

Date

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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labadmin@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan

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

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## Sample Summary

EOG Resources	Project Name:	Achen Frey DM #011	Reported:
104 South 4th Street	Project Number:	19034-0009	Keporteu:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/22 15:41

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.



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 334/336 South Wall B E212059-01

	221200> 01				
Result	1 2		Prepared	Analyzed	Notes
			•	7 Hilling Zoo	Batch: 2250086
ND	0.0250	1	12/09/22	12/10/22	
ND	0.0250	1	12/09/22	12/10/22	
ND	0.0250	1	12/09/22	12/10/22	
ND	0.0250	1	12/09/22	12/10/22	
ND	0.0500	1	12/09/22	12/10/22	
ND	0.0250	1	12/09/22	12/10/22	
	106 %	70-130	12/09/22	12/10/22	
mg/kg	mg/kg	Analys	st: RKS		Batch: 2250086
ND	20.0	1	12/09/22	12/10/22	
	98.9 %	70-130	12/09/22	12/10/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2250084
794	500	20	12/09/22	12/09/22	
1060	1000	20	12/09/22	12/09/22	
	92.5 %	50-200	12/09/22	12/09/22	
mg/kg	mg/kg	Analys	st: KL		Batch: 2250089
	ND ND ND ND ND mg/kg ND mg/kg 794 1060	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         1000           92.5 %	mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           98.9 %         70-130         70-130           mg/kg         mg/kg         Analys           794         500         20           1060         1000         20           92.5 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/09/22           ND         0.0250         1         12/09/22           ND         0.0250         1         12/09/22           ND         0.0500         1         12/09/22           ND         0.0250         1         12/09/22           ND         0.0250         1         12/09/22           mg/kg         70-130         12/09/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/09/22           mg/kg         mg/kg         Analyst: JL           794         500         20         12/09/22           1060         1000         20         12/09/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/09/22         12/10/22           ND         0.0250         1         12/09/22         12/10/22           ND         0.0250         1         12/09/22         12/10/22           ND         0.0500         1         12/09/22         12/10/22           ND         0.0250         1         12/09/22         12/10/22           ND         0.0250         1         12/09/22         12/10/22           ND         0.0250         1         12/09/22         12/10/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/09/22         12/10/22           mg/kg         mg/kg         Analyst: JL         12/09/22         12/10/22           mg/kg         mg/kg         Analyst: JL         12/09/22         12/09/22           1060         1000         20         12/09/22         12/09/22           1060         1000         20         12/09/22         12/09/22



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 334/336 South Wall A

### E212059-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		92.3 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2250089
Chloride	1760	20.0	1	12/09/22	12/09/22	



Chloride

## **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 334/336 East Wall

E212059-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		113 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2250089

20.0

2820

12/09/22

12/09/22



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 334/336 North Wall B

### E212059-04

Danastina							
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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		
Surrogate: 4-Bromochlorobenzene-PID		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		
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	12/09/22	12/10/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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		
Surrogate: n-Nonane		115 %	50-200	12/09/22	12/09/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2250089	
Chloride	3350	40.0	2	12/09/22	12/09/22	·	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 334/336 Base E212059-05

		E212039-03				
Analyte	Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
Amaryte	Result	Limit	Dilution	i repared	Maryzea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		113 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2250089
Chloride	3350	40.0	2	12/09/22	12/09/22	·



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

### 446 B

### E212059-06

		D (:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anaryte	Kesuit	Lillit	Dilution	1 repared	Analyzeu	ivoies
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2250086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	12/09/22	12/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		145 %	50-200	12/09/22	12/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2250089
11110115 0 7 22111 0 0 0 10 7 5 0 0 0 1 1						



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name: Project Number:	Achen Frey DM #011 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/2022 3:41:13PM

Artesia NM, 88210		Project Manager	: G1	reg Crabtree				12/	/12/2022 3:41:13PM		
Volatile Organics by EPA 8021B  Analyst: IY											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2250086-BLK1)						I	Prepared: 12	2/09/22 Ana	lyzed: 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)						I	Prepared: 12	2/09/22 Ana	lyzed: 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)						I	Prepared: 12	2/09/22 Ana	lyzed: 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: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Achen Frey DM #011 **EOG Resources** Project Name: Reported: 104 South 4th Street Project Number: 19034-0009

Artesia NM, 88210		Project Manager	r: Gr	reg Crabtree				12/	12/2022 3:41:13PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			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
	mg/kg	mg kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2250086-BLK1)							Prepared: 1	2/09/22 Anal	yzed: 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: 1	2/09/22 Anal	yzed: 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: 1	2/09/22 Anal	yzed: 12/09/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130	9.12	20	

8.00

70-130

7.82



EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/12/20223:41:13PM

Artesia NM, 88210		Project Manager	r: Gr	eg Crabtree				1.	2/12/2022 3:41:13Pf
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250084-BLK1)							Prepared: 1	2/09/22 An	alyzed: 12/09/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.0		50.0		106	50-200			
.CS (2250084-BS1)							Prepared: 1	2/09/22 An	alyzed: 12/09/22
riesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
urrogate: n-Nonane	53.9		50.0		108	50-200			
Matrix Spike (2250084-MS1)				Source:	E212055-0	05	Prepared: 1	2/09/22 An	alyzed: 12/09/22
tiesel Range Organics (C10-C28)	245	25.0	250	ND	97.8	38-132			
urrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike Dup (2250084-MSD1)				Source:	E212055-0	05	Prepared: 1	2/09/22 An	alyzed: 12/09/22
tiesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	4.10	20	
urrogate: n-Nonane	54.3		50.0		109	50-200			

EOG Resources 104 South 4th Street		Project Name: Project Number:		ichen Frey DM 9034-0009	1 #011				Reported:
Artesia NM, 88210		Project Manager		Greg Crabtree					12/12/2022 3:41:13PM
		Anions	by EPA	300.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2250089-BLK1)							Prepared:	12/09/22 A	nalyzed: 12/09/22
Chloride	ND	20.0							
LCS (2250089-BS1)							Prepared:	12/09/22 A	nalyzed: 12/09/22
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2250089-MS1)				Source:	E212055-	01	Prepared:	12/09/22 A	nalyzed: 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 A	nalyzed: 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	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/12/22 15:41

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.



of _	1 Re
	ceived
	by
	OCD:
	1/2
	2023
	9:32:
	26 A
	_

Attention:    Attention:   Date   Dat	Client F	00					DILL T-		Laboration	l de	lles Cala		in	AL	TAT	1 HA	EDAD	<b>MOGNO M</b>
Project Manager: Greg Crabtree Address: City, State, Zip Phone: Email: All Enviro Report due by:  Time Sampled Date Sampled Matrix  No. of Sample ID  Number  State  Sample ID  Number  State IN IN CO UT / Remail:  IN I	Project:	Dog Reha	n Fre	DM #	110	,	Bill To		1 -1			mhor	HIGH					rogram SDWA
Address: City, State, Zip Phone: Email:    City, State, Zip Phone: Email:   City, State, Zip Phone:   Email:   State   Email:					ICS	-3878033	CONTROL CONTRO		Lab	217059	190	34-0017	100	) 20	30	Stariuaru	CVVA	SDWA
City, State, Zip Phone: Email: All Enviro Report due by:  Time Sampled Marrix  Sample Date Sampled Marrix  Sampled Date Sampled Date Time  Received by: Signature)			.g Crubtic			-0.00000000000000000000000000000000000		30	-	212021				1				RCRA
Phone:  Email: All Enviro Report due by:  Time Sampled Date Sampled Matrix  No. of Containers  Sample ID  Number  Report due by:  Remail:    1						(780)XEE					1 1		Ī					X
Email: All Enviro Report due by:  Time Sampled Matrix No. of Considered Sample ID  Number  Remar  14:10 12:5:22 5 1 334/336 South Wall B  14:17 3 334/336 South Wall A  2		(c) L.p															State	
Report due by:    Time   Date Sampled   Matrix   No. of Containing   Sample   Date   Date		l Enviro														NM CO		TY
14:10   12.5.22   5   2   334/336   South Wall B   1   X	Report d	lue by:												L-		×	OT AZ	IX
14:17  334/376 East Wall  4:19  17:19  334/376 East Wall  334/376 Base  44 X X X X X X X X X X X X X X X X X X		Date Sampled	Matrix		Sample II	mple ID			BDGOC								Remarks	
14:17  19:18  334/376 East Wall  334/376 East Wall  334/376 East Wall  34  34  34  34  37  37/376 Base  55  47  476  8  476  476  476  476  476  4	14:10	12.8.22	5	1	334/	334/336 South Wall B			x									
19:19 19:19 334/376 East Woll 334/376 Base 15:46 476 B 6 CO X 10 Samples requiring themal presentation must be received on ice the day they are say packed in ice at an avg temp above 0 but less than 6°C on subsequent days.  Samples requiring themal presentation must be received on ice the day they are say packed in ice at an avg temp above 0 but less than 6°C on subsequent days.  Samples requiring themal presentation must be received on ice the day they are say packed in ice at an avg temp above 0 but less than 6°C on subsequent days.  Samples requiring themal presentation must be received on ice the day they are say 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 Tabus Collection is considered fraud and may be grounds for legal action.  Sampled by: Kholeton Sanchez  Received by: (Signature)  Date Time Tabus Collection is considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Date Time Tabus Collection is Considered fraud and may temp above 0 but less than 6°C on subsequent days.  Samples requiring themal presencation must be received on ice the day they are say th	14:13		r	1				2	X									
19:24   334/336   North Wall B   4   X	14:18							3	X									
15:46	14:24				334/3	136 Noi	th Wall B	14	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: (Signature)  Date  Time  Received by: (Signature)  Date  Time	14:30							5	×									
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)  Date  Time  Received by: (Signature)  Date  Time  Ta  Ta  Ta	15:46	1	1	1	446	B		6	X									
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)  Date  Time  Received by: (Signature)  Date  Time  Ta  Ta  Ta																		
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)  Date  Time  Received by: (Signature)  Date  Time  Ta  Ta  Ta																		
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)  Date  Time  Received by: (Signature)  Date  Time  Ta  Ta  Ta				87			Till 27 11-14											
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)  Date  Time  Received by: (Signature)  Date  Time  Ta  Ta  Ta		GE ET															41	41.
Relinquished by: (Signature)  Date Time Received by: (Signature)  Date Time  Time  Time  Time  Time  Time Time	Addition	al Instructio	ns:								3							ш
Relinquished by: (Signature)  Date  Time    Control   Co		* Control of the Cont							ocation									ed or received
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time  Received by: (Signature)  Date  Time  T1  T2  T3  Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time				Date		Time	Received by Signature	ALCON OF THE PROPERTY OF THE P	77.	Time //: 3/	Receive	d on ice			e Only			
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time	Relinquish	ed by: (Signatur	<b>(</b>				The state of the s			Time		a officer		,, .,		T3		
AVG TETIL C	Relinquished by: (Signature)  Date  Time  Received by: (Signature)				Date		Time		mn°c ∠				13					
	Comple \$4-4	rius sail sa s	alid Fa Cl	lan A Acus	aus O Cab			Contains	r Type	r a - alace n	Access to the contract of the	ALCOHOL STREET, STREET		CC V	VOA			
Sample Matrix: S - Soil, Sd - Soil, 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							na sasangan panta ara mada . Universita									for the arely	sis of the -t	

Printed: 12/9/2022 12:16:11PM

### **Envirotech Analytical Laboratory**

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:	I	Due Date:	12/12/22 17	7:00 (1 day TAT)			
	f Custody (COC)						
	the sample ID match the COC?	4 000	Yes				
	the number of samples per sampling site location match	i the COC	Yes				
	samples dropped off by client or carrier?	Opportugação	Yes Yes	Carrier: <u>K</u>	Chloleton Sanchez		
	ne COC complete, i.e., signatures, dates/times, requeste all samples received within holding time?	anaryses?	Yes				
J. Wele	Note: Analysis, such as pH which should be conducted in ti.e, 15 minute hold time, are not included in this disucssion		168	_		Commen	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are r minutes of sampling visible ice, record the temperature. Actual sample to	eceived w/i 15	Yes				
		imperature. 4 c	<u>~</u>				
	Container  queous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample container	rs collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes Yes	_			
	Preservation_		168				
	the COC or field labels indicate the samples were pres	served?	No				
22. Are s	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved me	tals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	?	No				
27. If ye	s, does the COC specify which phase(s) is to be analyz	ed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laboratory	?	No				
	a subcontract laboratory specified by the client and if s			Subcontract Lab	o: na		
Client I	<u>nstruction</u>						
<u>CHCHT I</u>	nstruction .						

Date

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

EOG Resources	Project Name:	Achen Frey DM #011	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 12:42

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.



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 12:42:23PM

### SB1B 40FT E212147-01

		E212147-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 12:42:23PM

### SB1B 50FT E212147-02

		E212147-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2253025
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 12:42:23PM

### SB1B 60FT E212147-03

		E212147-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 12:42:23PM

### SB1B 70FT E212147-04

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2253025
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0500	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
	111 %	70-130	12/29/22	12/29/22	
mg/kg	mg/kg	Analy	st: SL		Batch: 2253025
ND	20.0	1	12/29/22	12/29/22	
	100 %	70-130	12/29/22	12/29/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2253026
ND	25.0	1	12/29/22	12/29/22	
ND	50.0	1	12/29/22	12/29/22	
	107 %	50-200	12/29/22	12/29/22	
mg/kg	mg/kg	Analyst: RAS			Batch: 2253027
14200	400	20	12/29/22	12/29/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           III %         mg/kg           MD         20.0           100 %         mg/kg           ND         25.0           ND         50.0           107 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           III %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           I00 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           I07 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/29/22           ND         50.0         1         12/29/22           ND         50.0         1         12/29/22           ND         50.0         1         12/29/22           ND         50.0         1         12/29/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0500         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/29/22         12/29/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/29/22         12/29/22           ND         25.0         1         12/29/22         12/29/22           ND         50.0         1         12/29/22         12/29/22           ND         50.0         1         12/29/22         12/29/22           ND         50.0         1         12/29/22         12/29/22           N



Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/30/2022 12:42:23PM

Artesia NM, 88210		Project Manager		reg Crabtree				1:	2/30/2022 12:42:23PM
Volatile Organics by EPA 8021B  Analyst: SL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253025-BLK1)							Prepared: 1	2/29/22 An	nalyzed: 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: 1	2/29/22 An	nalyzed: 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: 1	2/29/22 An	nalyzed: 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	
o,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	

70-130



EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/30/2022 12:42:23PM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2253025-BLK1)						Prepared: 12	2/29/22	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	2/29/22	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	2/29/22	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			



EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #011 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 12:42:23PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				]	12/30/2022 12:42:23P
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253026-BLK1)							Prepared: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 A	nalyzed: 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			



EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	:	Achen Frey DM 19034-0009 Greg Crabtree	1#011			12	<b>Reported:</b> 2/30/2022 12:42:23PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253027-BLK1)						F	Prepared: 1	2/29/22 Ana	alyzed: 12/29/22

,				1
Chloride	ND	20.0		
LCS (2253027-BS1)				Prepared: 12/29/22 Analyzed: 12/29/22
Chloride	247	20.0	250	98.7 90-110
LCS Dup (2253027-BSD1)				Prepared: 12/29/22 Analyzed: 12/29/22
Chloride	249	20.0	250	99.4 90-110 0.713 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	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 12:42

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.



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	chen Frey DI				Attention:		Lab	WO#	Job Number	1D	2D 3	D Standard	CWA	SDV
ddress:	anager: Gre	Crabtre	е		Address: City, State, Zip		E2	12147	19034-0009 Analysis and Metho	Dd N				RCI
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mail: All	Enviro											NM CO	LIT AZ	TX
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	врбос						Remarks	300
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				of this sample. I am aw	are that tampering with or intentionally mislabe on. <u>Sampled by: Kholoton-Sar</u>				Samples requiring thermal packed in ice at an avg tem					ed or
elinquishe	by: (Signature		Date	2/28/RZ 15:	25 Received by: (Signature)	Date 12-28		Time 1525	Received on ice:	La (Y)	o Use C / N	Only		
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elinquishe	d by: (Signature	<b>P</b>	Date	Time	Received by: (Signature)	Date		Time	AVG Temp °C	†				
mnle Matri	ix: <b>S</b> - Soil, <b>Sd</b> - So	lid. Se - Slud	σe Δ - Δαιιe	ous O - Other		Container	Type	ra-alass n	poly/plastic, ag - amb	or alace	VO	•		

Printed: 12/29/2022 12:03:27PM

### **Envirotech Analytical Laboratory**

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:		17:00 (0 day TAT)		Logged III Dj.	
Chain at	S. Cueta du (COC)						
	Custody (COC)		Yes				
	he sample ID match the COC? he number of samples per sampling site location matcl	h the COC					
	samples dropped off by client or carrier?	a une coc	Yes Yes	Camian I	IDC		
	the COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes	Carrier: <u>U</u>	<u>) F S</u>		
	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion					<u>Comment</u>	s/Resolution
Sample '	<u> Furn Around Time (TAT)</u>						
6. Did th	e 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 th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample to	emperature: 4°C	<u> </u>				
	Container 19		3.7				
	equeous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?	ma aallaatad?	Yes				
	appropriate volume/weight or number of sample containe	rs conected?	Yes				
Field La	field sample labels filled out with the minimum inform	mation:					
	sample ID?	nation.	Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample 1	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pre-	served?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	tals?	No				
Multiph:	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	?	No				
27. If yes	s, does the COC specify which phase(s) is to be analyz	ed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laboratory	?	No				
29. Was a	a subcontract laboratory specified by the client and if s	so who?	NA	Subcontract Lab	o: na		
Client I	<u>nstruction</u>						
<u></u>							

Date

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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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Cell: 775-287-1762

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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	Project Name:	Achen Frey DM #011	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 11:49

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.



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 11:49:39AM

### SB1B 110FT E212150-01

		E212130-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		105 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2253027
Chloride	17700	1000	50	12/29/22	12/29/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 11:49:39AM

### SB1B 100FT E212150-02

		2212100 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
oluene	ND	0.0250	1	12/29/22	12/29/22	
-Xylene	ND	0.0250	1	12/29/22	12/29/22	
,m-Xylene	ND	0.0500	1	12/29/22	12/29/22	
Total Xylenes	ND	0.0250	1	12/29/22	12/29/22	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		106 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2253027
Chloride	14300	1000	50	12/29/22	12/29/22	
Chloride	14300	1000	50	12/29/22	12/29/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 11:49:39AM

### SB1B 90FT E212150-03

		E212130-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	12/29/22	12/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		109 %	50-200	12/29/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2253027
Chloride	11700	400	20	12/29/22	12/29/22	
Chloride	11700	400	20	12/29/22	12/29/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 11:49:39AM

### SB1B 80FT E212150-04

	E212130-04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2253028
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
ND	0.0500	1	12/29/22	12/29/22	
ND	0.0250	1	12/29/22	12/29/22	
	96.6 %	70-130	12/29/22	12/29/22	
mg/kg	mg/kg	Analy	st: SL		Batch: 2253028
ND	20.0	1	12/29/22	12/29/22	
	90.8 %	70-130	12/29/22	12/29/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2253026
ND	25.0	1	12/29/22	12/30/22	
ND	50.0	1	12/29/22	12/30/22	
	107 %	50-200	12/29/22	12/30/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2253027
17000	400	20	12/20/22	12/29/22	•
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           MB/kg         mg/kg           ND         25.0           ND         50.0           107 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analyst           ND         20.0         1           Mg/kg         mg/kg         Analyst           ND         25.0         1           ND         50.0         1           107 %         50-200           mg/kg         mg/kg         Analyst	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/29/22           ND         50.0         1         12/29/22           ND         50.0         1         12/29/22           ND         50.0         1         12/29/22           Mg/kg         Mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0500         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           ND         0.0250         1         12/29/22         12/29/22           mg/kg         mg/kg         Analyst: SL         ND         12/29/22         12/29/22           mg/kg         mg/kg         Analyst: SL         ND         12/29/22         12/29/22         12/29/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         12/29/22         12/30/22         12/30/22           ND         25.0         1         12/29/22         12/30/22         12/30/22         12/30/22         12/30/22         12/30/22         12/30/22         12/30/22         12/29/22         12/30/22         12/30/22



p,m-Xylene

Total Xylenes

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2253028-MSD1)

### **QC Summary Data**

Achen Frey DM #011 **EOG Resources** Project Name: Reported: 104 South 4th Street Project Number: 19034-0009 Artesia NM, 88210 Project Manager: Greg Crabtree 12/30/2022 11:49:39AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2253028-BLK1) Prepared: 12/29/22 Analyzed: 12/29/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.40 88.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.74 0.0250 5.00 94.8 70-130 4.80 0.0250 5.00 96.0 70-130 Toluene 97.9 o-Xylene 4.90 0.0250 5.00 70-130 10.0 96.6 70-130 9.66 0.0500 p.m-Xvlene 97.0 70-130 14.6 15.0 Total Xylenes 0.0250 8.00 98.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.91 Matrix Spike (2253028-MS1) Source: E212150-02 Prepared: 12/29/22 Analyzed: 12/29/22 4.24 0.0250 5.00 ND 84.8 54-133 Benzene ND 90.8 61-133 Ethylbenzene 4.54 0.0250 5.00 Toluene 4.59 0.0250 5.00 ND 91.7 61-130 4.68 ND 93.7 63-131 5.00 0.0250 o-Xylene

10.0

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

ND

ND

92.2

93.3

101

101

104

102

103

97.4

Source: E212150-02

63-131

63-131

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

9.52

10.4

10.0

10.5

10.3

10.4

9.22

7.99

4.67

5.04

5.07

5.20

10.2

15.4

7.79

0.0500

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250



Prepared: 12/29/22 Analyzed: 12/29/22

20

20

20

20

20

20

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/30/2022 11:49:39AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				12	//30/2022 11:49:39AN
	Non	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
Blank (2253028-BLK1)							Prepared:	12/29/22 An	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 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 An	alyzed: 12/29/22

50.0

8.00

ND

106

95.1

70-130

70-130

2.28

20

53.2

7.60

20.0



EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/30/2022 11:49:39AM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	12/30/2022 11:49:39A
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253026-BLK1)							Prepared: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 A	nalyzed: 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: 1	2/29/22 At	nalyzed: 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			

Chloride

Chloride

LCS Dup (2253027-BSD1)

### **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number Project Manager	: 1	Achen Frey DM #011 19034-0009 Greg Crabtree				12/3	Reported: 12/30/2022 11:49:39AM					
Artesia NM, 88210		Anions by EPA 300.0/9056A												Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit						
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes					
Blank (2253027-BLK1)						P	repared: 12	2/29/22 Anal	yzed: 12/29/22					
Chloride	ND	20.0												
CS (2253027-BS1)						P	renared: 1	2/29/22 Anal	vzed: 12/29/22					

250

250

90-110

90-110

0.713

Prepared: 12/29/22 Analyzed: 12/29/22

98.7

99.4

247

249

20.0

20.0

#### 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 #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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.



lient: FOG ResorceS  roject: Achen Frey DM.#OII  roject Manager: Grea Crabinee.  Address:												
oject: Achen Frey DM.#OII Attention:			i estate	Lah	Use O	nlv		<u> </u>	TAT	•	EPA Pi	rogran
Metter Action Con Control		Lab M				Numb	er	1D 2D		Standard	CWA	SDW
		Lab W E <i>ZI</i>	215	<del>.</del> ന	100	ノスにっ	0009	X 2	135	Standard	+	1300
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Time Sampled Date Sampled Matrix No. of Containers Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015 BTFX by 8021	VOC PV 8260	Metals 6010	Chloride 300.0	NM- BGDOC				Remarks	
U:34 12/28/22 S   SBIB 110ff							X					
9:39 12/28/20 S SBIB 100 F+	2						X	1 7				
8:22 12/28/22 S SBIB 90ft	3						Ż					
5:07 12/28/22 S SBIB 80ft	4			T			$\overrightarrow{\lambda}$	1				
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dditional Instructions:		<u></u>						<u>                                     </u>	<u> </u>			
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabel ate or time of collection is considered fraud and may be grounds for legal action.	lling the sample lo	ocation,								ved on ice the day C on subsequent day		ed or re
					Pucke	at						
elinquished by: (Signature)  Date   12/29/22   13:46   Received by: (Signature)   International Control of the	-  Z   Z9	22		46	Rec	eived (	on ice:	Lab L	ise Uniy I			
elinquished by: (Signature)  Date  Time  Received by: (Signature)	Date	Ti	me		T1			•T2		T3		. iş 4
elinquished by: (Signature)  Date  Time  Received by: (Signature)	Date	Ті	ime			Temp	— , <sub>°°</sub> 4					
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Containe	r Tyne: e	g . plac	s. n -				r place v	- VO4		galandgen (m. sakin)	14 Cale (14)

envirotech Inc.

Printed: 12/29/2022 1:49:22PM

### **Envirotech Analytical Laboratory**

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 13:4	46		Work Order ID:	E212150
Phone:	(575) 748-4217	Date Logged In:	12/29/22 09:5	58		Logged In By:	Caitlin Christian
Email:		Due Date:	12/30/22 17:0	00 (1 day TAT)			
	Custody (COC) ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: /	Austin Foutz		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	currer. <u>1</u>	TUSTIN I OUTE		
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u>	s/Resolution
Sample T	Curn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
• 1	e sample(s) received intact, i.e., not broken?						
	custody/security seals present?		Yes				
	were custody/security seals intact?		No				
			NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			≤				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· ·						
20. Were	field sample labels filled out with the minimum info	ormation:					
S	ample ID?		Yes				
	ate/Time Collected?		Yes		L		
	ollectors name?		Yes				
	<b>Preservation</b> the COC or field labels indicate the samples were p	ragamiad9	No				
	•	reserveu?	No NA				
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	netals?	No				
	•	icuis.	110				
	ise Sample Matrix the sample have more than one phase, i.e., multipha	aa9	N.T.				
	, does the COC specify which phase(s) is to be analy		No				
		yzeu:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA Su	ıbcontract Lal	b: na		
Client Ir	<u>istruction</u>						

Date

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

Report to:
Greg Crabtree





5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

Cen. 775 207 1702

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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labadmin@envirotech-inc.com

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ljarboe@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	Project Name:	Achen Frey DM #011	Reported:
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 13:51

Client Sample ID	Lab Sample ID Mat	trix Sampl	ed Received	Container
SB1B 115FT	E212152-01A So	oil 12/29	/22 12/30/22	Glass Jar, 2 oz.



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:51:40PM

### SB1B 115FT E212152-01

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2253032
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0500	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
	99.8 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Analy	st: IY		Batch: 2253032
ND	20.0	1	12/29/22	12/30/22	
	86.4 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2253035
ND	25.0	1	12/30/22	12/30/22	
ND	50.0	1	12/30/22	12/30/22	
	91.3 %	50-200	12/30/22	12/30/22	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2253033
15300	400	20	12/29/22	12/30/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           86.4 %         mg/kg           ND         25.0           ND         50.0           91.3 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           99.8 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           86.4 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           91.3 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/30/22           ND         50.0         1         12/30/22           ND         50.0         1         12/30/22           Mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0500         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY         ND         25.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         12/30/22         12/30/22           ND         25.0         1         12/30/22         12/30/22         12/30/22           ND         50.0         1         12/30/22         12/30/22         12/30/22           mg/kg         mg



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources 104 South 4th Street	Project Name: Project Number:	Achen Frey DM #011 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:51:40PM

Artesia NM, 88210		Project Number. Project Manager:		reg Crabtree				]	12/30/2022 1:51:40Pi	
		Volatile O	rganics b	y EPA 802	1B			Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2253032-BLK1)							Prepared: 12	2/29/22 Aı	nalyzed: 12/30/22	
enzene	ND	0.0250								
thylbenzene	ND	0.0250								
oluene	ND	0.0250								
-Xylene	ND	0.0250								
,m-Xylene	ND	0.0500								
otal Xylenes	ND	0.0250								
urrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130				
LCS (2253032-BS1)							Prepared: 12	2/29/22 Aı	nalyzed: 12/30/22	
enzene	4.75	0.0250	5.00		95.0	70-130				
thylbenzene	5.26	0.0250	5.00		105	70-130				
oluene	5.33	0.0250	5.00		106	70-130				
-Xylene	5.43	0.0250	5.00		109	70-130				
,m-Xylene	10.6	0.0500	10.0		106	70-130				
otal Xylenes	16.1	0.0250	15.0		107	70-130				
urrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130				
LCS Dup (2253032-BSD1)							Prepared: 12	2/29/22 Aı	nalyzed: 12/30/22	
enzene	4.80	0.0250	5.00		96.1	70-130	1.17	20		
thylbenzene	5.02	0.0250	5.00		100	70-130	4.61	20		
oluene	5.22	0.0250	5.00		104	70-130	1.96	20		
-Xylene	5.47	0.0250	5.00		109	70-130	0.576	20		
,m-Xylene	10.6	0.0500	10.0		106	70-130	0.0470	20		
	16.1		15.0		107	70-130	0.164	20		

70-130



EOG ResourcesProject Name:Achen Frey DM #011Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/30/20221:51:40PM

		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
Blank (2253032-BLK1)							Prepared: 12	2/29/22 Analy	yzed: 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	2/29/22 Analy	yzed: 12/30/22

LCS (2253032-BS2)					F	Prepared: 12	2/29/22 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)					F	Prepared: 12	2/29/22 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			

EOG Resources	Project Name:	Achen Frey DM #011	Reported:
104 South 4th Street	Project Number:	19034-0009	_
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:51:40PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					12/30/2022 1:51:40PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253035-BLK1)							Prepared: 1	2/30/22 A	nalyzed: 12/30/22
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.8		50.0		102	50-200			
.CS (2253035-BS1)							Prepared: 1	2/30/22 A	nalyzed: 12/30/22
riesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	50.5		50.0		101	50-200			
<b>Matrix Spike (2253035-MS1)</b>				Source:	E212151-	05	Prepared: 1	2/30/22 A	nalyzed: 12/30/22
riesel Range Organics (C10-C28)	274	25.0	250	ND	109	38-132			
urrogate: n-Nonane	51.3		50.0		103	50-200			
Matrix Spike Dup (2253035-MSD1)				Source:	E212151-	05	Prepared: 1	2/30/22 A	nalyzed: 12/30/22
tiesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.38	20	
urrogate: n-Nonane	50.5		50.0		101	50-200			



EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	: 19	chen Frey DM 9034-0009 reg Crabtree	1#011			1	<b>Reported:</b> 2/30/2022 1:51:40PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253033-BLK1)							Prepared: 12	2/29/22 An	alyzed: 12/30/22
Chloride	ND	20.0							
LCS (2253033-BS1)							Prepared: 12	2/29/22 An	alyzed: 12/30/22
Chloride	245	20.0	250		98.0	90-110			
LCS Dup (2253033-BSD1)							Prepared: 12	2/29/22 An	alyzed: 12/30/22
Chloride	249	20.0	250		99.7	90-110	1.68	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	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	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

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Project I	nformation					c	hain of Custo	dy										Pa	ge <u> </u>
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City, Sta Phone: Email: A Report o	ll Enviro				Ph	one: ail:		BILERC	8260	tivity	Exchangeable Sodium %	, many					NM CC	State UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		VOC by 8260	Conductivity	Exchang	SAR						Remarks	
9.33	12/29/22	5	)	SB11	3/15	<i>Ş</i> 4		X											
Addition	al Instruction	ıs:	1.1				Less the same to the												
	oler), attest to the					tampering with or intentionally mislabel			T								ceived on ice the day 5°C on subsequent d		ed or received
Relinquish	ed by: (Signatur	el	Date 12	129/20	me \$19.30	Received by (Signature)	Date /		Time	30		Receiv	ved on	ice:	Lab U	se On	ly		
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	rix: S - Soil, Sd - So					arrangements are made. Hazardous	Container	Туре	<b>g</b> - g	lass, p	<b>o</b> - po	ly/plas	tic, ag -	ambe	r glass, v	- VOA			

Printed: 12/30/2022 6:58:19AM

### **Envirotech Analytical Laboratory**

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 1	16:13		Logged In By:	Caitlin Christian
Email:		Due Date:	12/30/22	17:00 (0 day TAT)			
Chain of	Custody (COC)						
	the sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: D	atrick Mesa		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>1</u>	attick iviesa		
	ill samples received within holding time?	,,	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.					Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	, <u>.</u>	temperature. 4	<u>C</u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ners conceted:	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ormation.	Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample 1	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborato	arv9	No				
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	NIA		
		i so wiio.	1421	Subcontract Lab	. IVA		
Chent II	<u>nstruction</u>						

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

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@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	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/22 11:07

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-1 E212120-01

	E212120-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0500	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
	107 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	20.0	1	12/21/22	12/21/22	
	99.0 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252043
25.8	25.0	1	12/21/22	12/22/22	
ND	50.0	1	12/21/22	12/22/22	
	97.5 %	50-200	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
581	20.0	1	12/21/22	12/22/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg ND	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           IO7 %         mg/kg           mg/kg         mg/kg           ND         20.0           99.0 %         mg/kg           mg/kg         mg/kg           ND         50.0           97.5 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           Mg/kg         mg/kg         Ana           ND         20.0         1           99.0 %         70-130         70-130           mg/kg         mg/kg         Ana           25.8         25.0         1           ND         50.0         1           97.5 %         50-200           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           25.8         25.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0500         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: JL         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: JL         1         12/21/22         12/22/22           ND         50.0         1         12/21/22         12/22/22           ND         50.0         1         12/21/22         12/22/22 <td< td=""></td<>



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-2 E212120-02

Apolito	Result	Reporting Limit	Dilution	Duamanad	Amalyzzad	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		99.8 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2252047
Chloride	692	20.0	1	12/21/22	12/22/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-3

### E212120-03

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Liiiit	Dilution	Trepared	Allalyzed	rvotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		94.2 %	50-200	12/21/22	12/22/22	
	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2252047
Anions by EPA 300.0/9056A	**********	88	,			



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-4

### E212120-04

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/21/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2252047
Chloride	950	20.0	1	12/21/22	12/22/22	



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### SP-5 E212120-05

	2212120 00				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0500	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
	107 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	llyst: SL		Batch: 2252037
ND	20.0	1	12/21/22	12/21/22	
	101 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252043
30.0	25.0	1	12/21/22	12/22/22	
ND	50.0	1	12/21/22	12/22/22	
	94.0 %	50-200	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
1250	20.0	1	12/21/22	12/22/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 30.0 ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0           101 %         mg/kg           mg/kg         mg/kg           30.0         25.0           ND         50.0           94.0 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           107 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           101 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           94.0 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           mg/kg         mg/kg         Analyst: JL           30.0         25.0         1         12/21/22           ND         50.0         1         12/21/22           MD         50.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0500         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: JL         12/21/22         12/21/22           ND         25.0         1         12/21/22         12/22/22           ND         50.0         1         12/21/22         12/22/22           ND         50.0         1         12/21/22         12/22/22           ND         50.0         1         12/21/



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### SP-6 E212120-06

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
ND	0.0500	1	12/21/22	12/21/22	
ND	0.0250	1	12/21/22	12/21/22	
	107 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	20.0	1	12/21/22	12/21/22	
	99.6 %	70-130	12/21/22	12/21/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252043
ND	25.0	1	12/21/22	12/23/22	
ND	50.0	1	12/21/22	12/23/22	
	101 %	50-200	12/21/22	12/23/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
1390	20.0	1	12/21/22	12/22/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         20.0250           MD         20.0           99.6 %         mg/kg           MD         25.0           ND         50.0           101 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         70-130         1           mg/kg         mg/kg         Anal           ND         20.0         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           101 %         50-200           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0500         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           ND         0.0250         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/21/22           mg/kg         mg/kg         Analyst: JL         1         12/21/22         12/23/22           ND         25.0         1         12/21/22         12/23/22         12/23/22           ND         50.0         1         12/21/22         12/23/22         12/23/22           ND         50.0         1         12/21/22         12/23/22



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### SP-7

### E212120-07

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		89.0 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2252047
	1910	20.0	1	12/21/22	12/22/22	



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### SP-8 E212120-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A		mg/kg	Analyst: RAS			Batch: 2252047
Chloride	2000	20.0	1	12/21/22	12/22/22	



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E212120-09							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/21/22	12/22/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/21/22	12/22/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		
Surrogate: n-Nonane		102 %	50-200	12/21/22	12/23/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047	
Chloride	660	20.0	1	12/21/22	12/22/22		



### Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
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E212120-10								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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			
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/22/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252037		
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/21/22	12/22/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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			
Surrogate: n-Nonane		96.8 %	50-200	12/21/22	12/23/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2252047		
Chloride	878	20.0	1	12/21/22	12/22/22			



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E21	21	20	11

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2252047
Chloride	472	20.0	1	12/21/22	12/22/22	



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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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		102 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2252047
Chloride	313	20.0	1	12/21/22	12/22/22	



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### SP-13 E212120-13

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0500	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
	107 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2252037
ND	20.0	1	12/21/22	12/22/22	
	101 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252043
41.7	25.0	1	12/21/22	12/23/22	
ND	50.0	1	12/21/22	12/23/22	
	100 %	50-200	12/21/22	12/23/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
471	20.0	1	12/21/22	12/22/22	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 41.7 ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           107 %         mg/kg           Mg/kg         mg/kg           ND         20.0           101 %         mg/kg           Mg/kg         mg/kg           41.7         25.0           ND         50.0           100 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           107%         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           101%         70-130         1           mg/kg         mg/kg         Ana           41.7         25.0         1           ND         50.0         1           100%         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           41.7         25.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           MD         50.0         1         12/21/22           Mg/kg         Mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0500         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: JL         1         12/21/22         12/23/22           ND         50.0         1         12/21/22         12/23/22         12/23/22           ND         50.0         1         12/21/22         12/23/22         12/23/22           ND         50.0         1         12/21/22         12/23/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

#### **SP-14**

#### E212120-14

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		96.5 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
-	109	20.0		12/21/22	12/22/22	



Analyte

Benzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 1-Chloro-4-fluorobenzene-FID

Ethylbenzene

### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

#### **SP-15** E212120-15

#### Reporting Result Limit Dilution Prepared Analyzed Notes mg/kg mg/kg Analyst: SL Batch: 2252037 Volatile Organics by EPA 8021B 12/21/22 12/22/22 ND 0.0250 12/22/22 1 12/21/22 ND 0.0250ND 0.02501 12/21/22 12/22/22 1 12/21/22 12/22/22 ND 0.0250ND 1 12/21/22 12/22/22 0.050012/22/22 12/21/22 1 ND 0.0250107 % 12/21/22 12/22/22 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg mg/kg Analyst: SL Batch: 2252037 Nonhalogenated Organics by EPA 8015D - GRO 12/21/22 12/22/22 ND 20.0 1 Gasoline Range Organics (C6-C10)

70-130

12/21/22

12/22/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/23/22	
A: b EDA 200 0/005/A	ma/ka	ma/ka	,	Analyst: RAS		Batch: 2252047

100 %

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		

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-16 E212120-16

	2212120 10				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0500	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
	107 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252037
ND	20.0	1	12/21/22	12/22/22	
	100 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252043
ND	25.0	1	12/21/22	12/23/22	
ND	50.0	1	12/21/22	12/23/22	
	97.7 %	50-200	12/21/22	12/23/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252047
843	20.0	1	12/21/22	12/22/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           MD         20.0           100 %         mg/kg           MD         25.0           ND         50.0           97.7 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0         1           100 %         70-130         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           97.7 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0500         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: JL         1         ND         25.0         1         12/21/22         12/23/22           ND         25.0         1         12/21/22         12/23/22         12/23/22           ND         50.0         1         12/21/22         12/23/22           ND         50.0         1         12/21/22



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

### SP-17 E212120-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		99.8 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2252047
Chloride	1010	20.0	1	12/21/22	12/22/22	



Chloride

### Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

#### **SP-18**

#### E212120-18 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: SL Batch: 2252037 mg/kg mg/kg Volatile Organics by EPA 8021B 12/21/22 12/22/22 ND 0.0250 Benzene 1 12/21/22 12/22/22 Ethylbenzene ND 0.0250ND 0.025012/21/22 12/22/22 Toluene 1 12/21/22 12/22/22 o-Xylene ND 0.02501 12/21/22 12/22/22 ND 0.0500 p,m-Xylene 12/22/22 12/21/22 1 Total Xylenes ND 0.025012/21/22 12/22/22 107 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: SL mg/kg Batch: 2252037 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 12/21/22 12/22/22 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 101 % 12/21/22 12/22/22 70-130 mg/kg mg/kg Analyst: JL Batch: 2252043 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 12/21/22 12/23/22 Diesel Range Organics (C10-C28) ND 12/21/22 12/23/22 Oil Range Organics (C28-C36) 50.0 1 12/21/22 12/23/22 Surrogate: n-Nonane 100 % 50-200 Analyst: RAS Batch: 2252047 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

12/21/22

12/22/22

1380



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

#### **SP-19**

#### E212120-19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		98.3 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2252047
Chloride	433	20.0	1	12/21/22	12/22/22	



### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

		E212120-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2252047
Chloride	502	20.0	1	12/21/22	12/22/22	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #11	Reported:
104 South 4th Street	Project Number:	19034-0009	•
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:07:28AM

Artesia NM, 88210	Project Number. Project Manager		reg Crabtree			12/	23/2022 11:07:28AM					
Volatile Organics by EPA 8021B  Analyst: SL												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2252037-BLK1)						I	Prepared: 12	2/21/22 Ana	lyzed: 12/21/22			
Benzene	ND	0.0250										
Ethylbenzene	ND	0.0250										
Toluene	ND	0.0250										
o-Xylene	ND	0.0250										
o,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: 4-Bromochlorobenzene-PID	8.79		8.00		110	70-130						
LCS (2252037-BS1)						I	Prepared: 12	2/21/22 Ana	lyzed: 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						
o,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)						I	Prepared: 12	2/21/22 Ana	lyzed: 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				
-Xylene	5.90	0.0250	5.00		118	70-130	14.0	20				
o,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				



### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/23/2022 11:07:28AM

Nonhalogenated	<b>Organics</b>	by 1	<b>EPA</b>	8015D -	GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2252037-BLK1)						Prepared: 12	2/21/22 An	alyzed: 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	2/21/22 An	alyzed: 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	2/21/22 An	alyzed: 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 ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/23/2022 11:07:28AM

Artesia NM, 88210		Project Manage	r. Gr	eg Crabtree				1	12/23/2022 11:07:28A
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2252043-BLK1)							Prepared: 1	2/21/22 A	nalyzed: 12/22/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.9		50.0		102	50-200			
LCS (2252043-BS1)							Prepared: 1	2/21/22 A	nalyzed: 12/22/22
riesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	48.7		50.0		97.4	50-200			
Matrix Spike (2252043-MS1)				Source:	E212120-1	17	Prepared: 1	2/21/22 A	nalyzed: 12/22/22
tiesel Range Organics (C10-C28)	261	25.0	250	25.2	94.2	38-132			
urrogate: n-Nonane	48.6		50.0		97.1	50-200			
Matrix Spike Dup (2252043-MSD1)				Source:	E212120-1	17	Prepared: 1	2/21/22 A	nalyzed: 12/22/22
tiesel Range Organics (C10-C28)	275	25.0	250	25.2	99.9	38-132	5.25	20	
urrogate: n-Nonane	49.2		50.0		98.4	50-200			

Chloride

### **QC Summary Data**

EOG Resources 104 South 4th Street		Project Name: Achen Frey Project Number: 19034-000			I #11			Reported:						
Artesia NM, 88210		Project Manager: Greg Crabtree							12/23/2022	11:07:28AM				
		Anions	by EPA	300.0/9056	1				Analyst:	RAS				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit						
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	1	Notes				
Blank (2252047-BLK1)							Prepared:	12/21/22	Analyzed: 1	2/22/22				
Chloride	ND	20.0												
LCS (2252047-BS1)							Prepared:	12/21/22	Analyzed: 12	2/22/22				
Chloride	259	20.0	250		104	90-110								
Matrix Spike (2252047-MS1)				Source:	E212120-	01	Prepared:	12/21/22	Analyzed: 12	2/22/22				
Chloride	796	20.0	250	581	85.9	80-120								
Matrix Spike Dup (2252047-MSD1)					Source: E212120-01 Prepared: 1					12/21/22 Analyzed: 12/22/22				

250

20.0

104

80-120

5.62

20

842

#### 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	12/23/22 11:07

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
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Chain of Custody

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	-6/2
Page /	of S
. 080	

Client:	EOG					Bill To				L	ab U	se Or	nly					TA	T		EPA P	rogram
Project:	Achen Fre	y DM #13	1		A1	tention:		Lab	WO	†		Job		ber		1D	2D	3D	Sta	ndard	CWA	SDWA
Project N	Manager:	Greg Cra	btree		A	ddress:		E2	212	120	)	1	.9034	4-000	9		X					
Address					Ci	ty, State, Zip			-		-	Analysis and Me				d	,,,					RCRA
City, Sta	te, Zip				Ph	none:																х
Phone:					Er	nail:	***************************************	5	8				8 P	270							State	
Email: I.	Garcia B. Ha	II G. Crab	tree T. Kr	night				ORO by	11	0.0	0		10 H	es 8.					1	NM CO	UT AZ	TX
Report d	lue by:							0,0	, 8		, 826	601(	W Y	olitil						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO,GF 8015	BTEX by	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	RCI	PCB's					Remarks	
9:24	12/20/2022	S	1			SP-1		х	х	х											-	
9:30	12/20/2022	S	1			SP-2	2	x	х	х											7	775
9:34	12/20/2022	S	1			SP-3	3	x	х	х												4
9:40	12/20/2022	S	1			SP-4	4	х	х	х												
9:45	12/20/2022	S	1			SP-5	5	х	х	х												100
9:51	12/20/2022	S	1			SP-6	6	x	х	х												
9:56	12/20/2022	S	1		SP-7			х	х	х											F- ; :	
10:02	12/20/2022	S	1		SP-8			х	х	х												
10:07	12/20/2022	S	1			SP-9	8	x	х	х												
10:13	12/20/2022	S	1			SP-10	10	x	х	х											10-	
х																				- 1	1.5	-, j
x date or time	e of collection is c	onsidered fra	aud and may	be grounds for l	egal action.	Sampled by: Isaac Garcia														ice the day the bsequent day		ed or received
Relinquish	ed by: (Signatur	e)	Date	21/2022	me 15107	Received by: (Signature)	Date 12/2/1	22	Time 15	:07	7	Rece	eived	l on i	ce:	(A)	ab U	se Onl	ly			
Relinquish	ed by: (Signatur	·e)	Date		ne	Received by: (Signature)	Date		Time			T1				T2			т	3		
Relinquish	ed by: (Signatur	e)	Date	Tir	ne	Received by: (Signature)	Date		Time			AVG	Tem	ıp °C								
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>Sg</b> - Sluc	dge, <b>A</b> - Aque	ous, <b>O</b> - Other			Containe	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
ALLO DALA DE DESCRIPCIO			145		unless other	arrangements are made. Hazardous													ort for	the analy	sis of the a	bove 0
samples is	applicable only	to those sa	imples rece	ived by the lab	oratory with	this COC. The liability of the laborato	ry is limited to t	he am	ount p	aid fo	or on	the rep	oort.									

@ envirotech

Project	Information
A CONTRACTOR	

Chain of Custody

	7		2
Page_	0	of	Ce
			Cont.

Client:	EOG					Bill To				La	ab U	se Or	nly					T	AT		EPA P	rogram
Project:	Achen Fre	y DM #11			l A	ttention:		Lab	WO	<b>†</b>		Job	Num	ber		1D	2D	3D	St	andard	CWA	SDWA
Project N		Greg Cra			A	ddress:				120	)	1	9034	1-000	9		7	_				
Address:					l c	ty, State, Zip			-			Analy	sis a	nd M	etho	d						RCRA
City, Stat	te, Zip				PI	none:																Х
Phone:					Ei	mail:		λc					8 P	270							State	
Email: I.	Garcia B. Ha	II G. Crab	tree T. Kr	night			الاستادات	ORO by	21	0.0	0		10/	es 8						NM CO	UT AZ	TX
Report d	ue by:							0,0	/ 80	e 30	826	6010	W,	oliti						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II			Lab Number	DRO,GF 8015	BTEX by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270	RCI	PCB's					Remarks	
10:23	12/20/2022	S	1			SP-11	11	x		х												
10:31	12/20/2022	S	1			SP-12	12	х	х	х												114
10:37	12/20/2022	s	1	4		SP-13	13	x	х	х												. 14
10:44	12/20/2022	S	1			SP-14	14	x	х	х							H			Ī		
10:50	12/20/2022	s	1			SP-15	15	х	х	х										1		
12:09	12/20/2022	S	1		4-1	SP-16	16	x	х	х												
12:15	12/20/2022	S	1			SSP-17	17	х	х	х												
12:20	12/20/2022	S	1			SP-18	18	x	х	х												
12:24	12/20/2022	S	1			SP-19	19	х	х	х												
12:29	12/20/2022	S	1			SP-20	20	x	х	х										1500		
х																						
x date or time	of collection is co	onsidered fra	ud and may	be grounds f	or legal action.	Sampled by: Isaac Garcia		М												on ice the day to subsequent day		led or received
	ed by: (Signatur		Date	21/1022	Time	Received by: (Signature)	Date 12/2/	22	Time 15	107	7	Rece	eived	l on i	ce:		ab U	se On	ly			
	ed by: (Signatur		Date		Time	Received by: (Signature)	Date		Time			T1				T2				<u>T3</u>		
Relinquish	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date		Time			AVG	Ten	np °C	4				_			
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - So	olid, <b>Sg</b> - Slud	lge, <b>A</b> - Aque	ous, <b>O</b> - Othe	er		Containe	r Type	: g - s	glass,	<b>p</b> - p	The second second	THE RESERVE AND ADDRESS.	Deposit Section		er gla	ss, v	VOA				
Note: Sam	ples are discard	ed 30 days	after result	s are report	ed unless othe	r arrangements are made. Hazardous	samples will b	e retur	ned to	clien	t or d	ispose	d of a						port f	for the analy	sis of the a	above



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Printed: 12/21/2022 3:48:20PM

envirotech Inc.

#### **Envirotech Analytical Laboratory**

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 1	5:07		Work Order ID:	E212120
Phone:	(575) 748-4217	Date Logged In:	12/21/22 1	5:12		Logged In By:	Caitlin Christian
Email:		Due Date:	12/23/22 1	7:00 (2 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	saac Garcia		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	Curn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Ac	hen Frey DM	#11 has been
Sample C	<u>Cooler</u>				separated i	into 2 reports	due to sample
7. Was a s	sample cooler received?		Yes		volume. W	Vorkorders are	e as
8. If yes,	was cooler received in good condition?		Yes			212120 & E2	
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		lonows.L2	212120 & E2	12121.
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container .	•	<del>_</del>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	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 n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	•			
	Preservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	essi vea.	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	ise Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, 200.	IVA				
	act Laboratory	9	NT.				
	amples required to get sent to a subcontract laborato	-	No	01 4 11			
29. was a	subcontract laboratory specified by the client and it	so wno?	NA	Subcontract Lab	o: na		
Client In	<u>istruction</u>						

Date

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

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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 reguarding 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:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@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	Project Name:	Achen Frey DM #11	Donoutoda
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/22 11:11

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.



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### SP-21 E212121-01

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252038
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
ND	0.0500	1	12/21/22	12/22/22	
ND	0.0250	1	12/21/22	12/22/22	
	97.8 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252038
ND	20.0	1	12/21/22	12/22/22	
	97.3 %	70-130	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2252045
ND	25.0	1	12/21/22	12/22/22	
ND	50.0	1	12/21/22	12/22/22	
	99.7 %	50-200	12/21/22	12/22/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252044
1290	20.0	1	12/21/22	12/22/22	
	mg/kg ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           97.3 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           97.8 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           97.3 %         70-130         mg/kg           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           99.7 %         50-200           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0500         1         12/21/22           ND         0.0250         1         12/21/22           ND         0.0250         1         12/21/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/21/22           ND         50.0         1         12/21/22           ND         50.0         1         12/21/22           MD         50.0         1         12/21/22           Mg/kg         Mg/kg         Analyst: JL         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0500         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           ND         0.0250         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: SL         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: JL         1         ND         25.0         1         12/21/22         12/22/22           ND         25.0         1         12/21/22         12/22/22         12/22/22           ND         50.0         1         12/21/22         12/22/22           mg/kg         mg/kg         Analyst: RAS <t< td=""></t<>



### Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

		E212121-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		103 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2252044
Chloride	776	20.0	1	12/21/22	12/22/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### SP-23 E212121-03

Analisa	D14	Reporting		D 1	A	N-4
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		100 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252044
Chloride	942	20.0	1	12/21/22	12/22/22	



EOG Resources	Project Name:	Achen Frey DM #11	
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#### **SP-24**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2252044
		20.0		12/21/22	12/22/22	



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#### **SP-25**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2252044
Chloride	1140	20.0	1	12/21/22	12/22/22	



### Sample Data

EOG Resources	Project Name:	Achen Frey DM #11	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

		E212121-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		102 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2252044
Chloride	564	20.0	1	12/21/22	12/22/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

#### **SP-27**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		98.7 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2252044
Chloride	206	20.0	1	12/21/22	12/22/22	



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#### **SP-28**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		99.9 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2252044
Chloride	204	20.0	1	12/21/22	12/22/22	



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#### **SP-29**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	12/21/22	12/22/22	
Anions by EPA 300.0/9056A		mg/kg	Ana	alyst: RAS		Batch: 2252044
Chloride	242	20.0	1	12/21/22	12/22/22	



Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### SP-30 E212121-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2252045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/21/22	12/22/22	

50.0

20.0

99.5 %

ND

mg/kg

999

12/21/22

12/21/22

12/21/22

1

1

Analyst: RAS

50-200

12/22/22

12/22/22

12/22/22

Batch: 2252044



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E21	21	21	- 1	4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		98.9 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2252044
Chloride	489	40.0	2	12/21/22	12/22/22	•



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### **SP-32**

E21		

		Reporting				
Analyte	Result	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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		104 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2252044



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### **SP-33**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		105 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2252044
Chloride	488	20.0	1	12/21/22	12/22/22	



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### **SP-34**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		105 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2252044
Chloride	441	20.0	1	12/21/22	12/22/22	



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### **SP-35**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		100 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2252044
Chloride	407	20.0	1	12/21/22	12/22/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### SP-36

E21	11	11	1	-
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		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		103 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2252044
Chloride	403	20.0	1	12/21/22	12/22/22	· · · · · · · · · · · · · · · · · · ·



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### **SP-37**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		101 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2252044
	826	20.0	1	12/21/22	12/22/22	



EOG Resources	Project Name:	Achen Frey DM #11	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

### **SP-38**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252038
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/21/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	12/21/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		102 %	50-200	12/21/22	12/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2252044
Chloride	693	20.0	1	12/21/22	12/22/22	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name: Project Number:	Achen Frey DM #11 19034-0009	Reported:
Artesia NM, 88210	Project Number: Project Manager:	Greg Crabtree	12/23/2022 11:11:48AM

Artesia NM, 88210		Project Manager:	G <sub>1</sub>	reg Crabtree					12/23/2022 11:11:48AM
Volatile Organics by EPA 8021B  Analyst: SL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2252038-BLK1)							Prepared: 1	2/21/22 A	nalyzed: 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: 1	2/21/22 A	nalyzed: 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: 1	2/21/22 A	nalyzed: 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	



### **QC Summary Data**

EOG ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/23/2022 11:11:48AM

Nonhalogenated Orga	anics by EPA 8015D - GRO
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Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2252038-BLK1)						Prepared: 12	/21/22 Aı	nalyzed: 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 Aı	nalyzed: 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 Aı	nalyzed: 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 ResourcesProject Name:Achen Frey DM #11Reported:104 South 4th StreetProject Number:19034-0009Artesia NM, 88210Project Manager:Greg Crabtree12/23/2022 11:11:48AM

Artesia NM, 88210		Project Manage	r. Gr	eg Crabtree					12/23/2022 11:11:48A
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2252045-BLK1)							Prepared: 1	2/21/22 A	nalyzed: 12/22/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.4		50.0		101	50-200			
LCS (2252045-BS1)							Prepared: 1	2/21/22 A	analyzed: 12/22/22
riesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
urrogate: n-Nonane	49.5		50.0		99.0	50-200			
Matrix Spike (2252045-MS1)				Source:	E212121-1	11	Prepared: 1	2/21/22 A	analyzed: 12/22/22
riesel Range Organics (C10-C28)	315	50.0	250	ND	126	38-132			
urrogate: n-Nonane	49.2		50.0		98.5	50-200			
Matrix Spike Dup (2252045-MSD1)				Source:	E212121-1	11	Prepared: 1	2/21/22 A	nalyzed: 12/22/22
tiesel Range Organics (C10-C28)	318	50.0	250	ND	127	38-132	1.06	20	
urrogate: n-Nonane	48.5		50.0		96.9	50-200			

Chloride

### **QC Summary Data**

EOG Resources		Project Name:		Achen Frey DM	I #11				Repo	orted:
104 South 4th Street		Project Number:		9034-0009					12/22/2022	11.11.40 AM
Artesia NM, 88210		Project Manager	: (	Greg Crabtree					12/23/2022	11:11:48AM
		Anions	by EPA	300.0/9056	A				Analyst:	RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	1	Notes
Blank (2252044-BLK1)							Prepared:	12/21/22	Analyzed: 1	2/22/22
Chloride	ND	20.0								
LCS (2252044-BS1)							Prepared:	12/21/22	Analyzed: 1	2/22/22
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2252044-MS1)				Source:	E212121-	01	Prepared:	12/21/22	Analyzed: 1	2/22/22
Chloride	1560	20.0	250	1290	108	80-120				
Matrix Spike Dup (2252044-MSD1)				Source:	E212121-	01	Prepared:	12/21/22	Analyzed: 1	2/22/22

250

20.0

1290

109

80-120

0.0427

20

1560

#### 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	12/23/22 11:11

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 II					Chair	n of Custody													į	Page 3	_of_ <u>c(</u>	
Address:		ey DM #1: Greg Cra			A Ci	Bill To tention: ddress: ty, State, Zip		lah	WO	1  2		1	Num 9034	ber -0009 nd Me			2D 3	TAT	Stand	E 6.61	EPA P	SDWA RCRA
Report d	Garcia B. Ha	ll G. Crab	1	night	FOR 1922	none: nail:	Lab Number	SRO,ORO by	ВТЕХ by 8021	Chloride 300.0	VOC by 8260	Metals 6010	Full TCLP w/o H&P	Semi-Volitiles 8270						1 1	State UT AZ	TX
Time Sampled	Date Sampled 12/20/2022	Matrix	No. of Containers	Sample II	)	CD 21	Number	08O, 8015	ВТЕХ	Chlori	Voc	Metal	Full To	Semi-	õ	PCB's					Remarks	
12:32 12:35	12/20/2022	S	1			SP-21 SP-22		×		X						-	_	-		<u> </u>	-	
12:40	12/20/2022	S S	1			SP-23	3	x		x												· · -
12:45	12/20/2022	s	1			SP-24	4	X		x								+				
12:48	12/20/2022	S	1			SP-25	5	х	х	х												
12:51	12/20/2022	s	1			SP-26	lo	x	x	х												
13:35	12/20/2022	s	1			SP-27	1 1 m	x	х	x								$\perp$				
13:38	12/20/2022	s	1			SP-28 SP-29	8	x	x	x							_				<u>.</u> .	
13:42 13:45	12/20/2022	s	1			SP-30	9	X	X	X				_			+	$\perp$	-			
x		S	1				lo.	X	X	X	<u> </u>											
x date or time	of collection is co	onsidered fra	aud and may	be grounds fo	or legal action.	Sampled by: Isaac Garcia								_			on must b but less ti					d or received
Relinquish	ed by: (Signatur	re)	Date /2/	121/2022	Time 15:07	Received by: (Signature)	1000000	ez	Time /ち	<u>:0</u> :	7	Rece	ived	on Ic		(S)	b Use / N	Only				
	ed by: (Signatur		Date Date		Time Time	Received by: (Signature)	Date		Time Time			<u>T1</u>	(新) (安) (安)		er ja Halling	<u>T2.</u>			<u> 13</u>			
	ed by: (Signatur					Received by: (Signature)						AVG			4							
<del></del>	rix: S - Soil, Sd - So					r arrangements are made. Hazardous	Container						_						. f . · ·	<del></del>	-1	



Project	Information
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Chain of Custody

			~ >
Page	4	of	LE
			2.

Client:	EOG					Bill To	Bill To				Lab Use Only						TAT				EPA P	rogram 🥞
Project:	Achen Fre	y DM #11	26		Α	ttention:		Lab	WO#	ŧ		Job	Num	ber		1D	2D	3D	Sta	andard	CWA	SDWAS
Project N	/lanager:	Greg Cra	btree		<u> </u>	ddress:		EZ	212	12		1	9034	1-000	19		X					b
Address:					<u>  c</u>	ity, State, Zip				V.	•	Analy	/sis a	nd Me	ethoc	t						RCRA
City, Stat	e, Zip				<u> </u>	hone:																X
Phone:					E	mail:		λq					&P	270							State	9
Email: 1.	Garcia B. Ha	II G. Crab	tree T. Kn	ight				80	21	0.0	0	0	H 0/	es 8						NM CO UT AZ TX		
Report d	ue by:							0,0	/ 80	e 30	826	601	W.	olitil						×		
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-Volitiles 8270	RCI	PCB's					Remarks	7:20
13:49	12/20/2022	S	1			SP-31	11	x	х	х												m
13:51	12/20/2022	S	1		:4%	SP-32	12	x	х	х												
13:54	12/20/2022	S	1			SP-33	13	х	х	х												
13:57	12/20/2022	S	1			SP-34	14	х	х	х				H								
14:01	12/20/2022	S	1			SP-35	15	х	х	х												
14:05	12/20/2022	S	1			SP-36	16	х	х	х												14
14:13	12/20/2022	s	1			SP-37	17	х	х	х												
14:18	12/20/2022	S	1			SP-38	18	х	х	х												
																					40	L
	H																					
х																						
x date or time	of collection is co	onsidered fra	ud and mav l	oe grounds fo	or legal action.	Sampled by: Isaac Garcia		T						-						n ice the day t		ed or received
Relinquishe	ed by: (Signatur	e)	Date /2/4		Time /):07	Received by (Signature) Late	Date 12/2/2	.2	Time 15:	07		Rece	eived	on i	ce:		ab U ) N	se On	ly			
Relinquishe	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date		Time			T1							T3			
Relinquishe	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	Date	Time AVG Temp °C														
Sample Mat	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Many Hard- Many State of the Park						r arrangements are made. Hazardous	samples will be	retur	ned to	clien	t or d	ispose	d of a	t the					port fo	or the analy	sis of the a	bove 🕏
samples is	applicable only	to those sai	mnles recei	ved by the	aboratory wit	h this COC. The liability of the laboratory	is limited to t	he am	ount r	naid fo	or on t	he rer	ort.									9



### **Envirotech Analytical Laboratory**

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.

	EOG Resources	D ( D ) 1	10/01/00 1	5.05	W. 1.0.1 VD	Ta.(a.(a.(
Client:		Date Received:	12/21/22 1		Work Order ID:	E212121
Phone:		Date Logged In:	12/21/22 1		Logged In By:	Caitlin Christian
Email:		Due Date:	12/23/22	17:00 (2 day TAT)		
Chain of	Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location mater	h the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Is	saac Garcia	
	c COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	cumer. <u>n</u>	sauc Gareia	
	Il samples received within holding time?	•	Yes			
	Note: Analysis, such as pH which should be conducted in				Commont	ts/Resolution
	i.e, 15 minute hold time, are not included in this disucssion	1.		1	Comment	S/Resolution
	urn Around Time (TAT)		37		Project Achen Frey DM	[#11 has been
	COC indicate standard TAT, or Expedited TAT?		Yes		separated into 2 reports	
Sample C	ample cooler received?		Yes		-	•
	was cooler received?				volume. Workorders are	
• /	<u> </u>		Yes		follows:E212120 & E2	12121.
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
•	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes			
	risible ice, record the temperature. Actual sample t	emperature: 4°C	<u>~</u>			
Sample C			3.7			
	queous VOC samples present?		No NA			
	OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)?		NA NA			
			NA NA			
	trip blank (TB) included for VOC analyses?					
	on-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contained.	ora gollootod?	Yes Yes			
Field Lab	· · ·	ers confected?	165			
	field sample labels filled out with the minimum infor	mation:				
	ample ID?	mution.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
	<u>reservation</u>					
	the COC or field labels indicate the samples were pre-	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved me	etals?	No			
	se Sample Matrix					
	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	zed?	NA			
Subcontr	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborator	y?	No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: na	
Client In	struction					

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

Report to:
Greg Crabtree







5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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	Project Name:	Achen Frey DM #011	D
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 13:50

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.

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 1 E212151-01

	E212131-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2253032
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0500	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
	108 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2253032
ND	20.0	1	12/29/22	12/30/22	
	101 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2253035
ND	25.0	1	12/30/22	12/30/22	
ND	50.0	1	12/30/22	12/30/22	
	105 %	50-200	12/30/22	12/30/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2253033
817	20.0	1	12/29/22	12/30/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO8 %         mg/kg           mg/kg         mg/kg           ND         20.0           IO1 %         mg/kg           ND         25.0           ND         50.0           IO5 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           Mg/kg         mg/kg         Ana           ND         20.0         1           101 %         70-130         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           105 %         50-200           mg/kg         Mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Malyst: IY           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         Mg/kg         Analyst: IY           ND         20.0         1         12/29/22           mg/kg         Mg/kg         Analyst: JL           ND         25.0         1         12/30/22           ND         50.0         1         12/30/22           ND         50.0         1         12/30/22           Mg/kg         Mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0500         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IV         ND         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IV         ND         20.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         12/30/22         12/30/22           ND         25.0         1         12/30/22         12/30/22         12/30/22           ND         50.0         1         12/30/22         12/30/22         12/30/22           ND         50.0

### **Sample Data**

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 2

E212151-02							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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		
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/29/22	12/30/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2253032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/29/22	12/30/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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		
Surrogate: n-Nonane		93.9 %	50-200	12/30/22	12/30/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2253033	
Chloride	748	20.0	1	12/29/22	12/30/22		

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 3 E212151-03

		2212101 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Foluene	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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
Chloride	1100	20.0	1	12/29/22	12/30/22	

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 4 E212151-04

	2212101 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0500	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
	98.2 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
ND	20.0	1	12/29/22	12/30/22	
	89.7 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2253035
50.3	50.0	2	12/30/22	12/30/22	
ND	100	2	12/30/22	12/30/22	
	100 %	50-200	12/30/22	12/30/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
1090	20.0	-	12/29/22	12/30/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 50.3 ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           89.7 %         mg/kg           mg/kg         mg/kg           50.3         50.0           ND         100           100 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           98.2 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           89.7 %         70-130         1           mg/kg         mg/kg         Anal           50.3         50.0         2           ND         100         2           100 %         50-200           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: IV           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: JL           50.3         50.0         2         12/30/22           ND         100         2         12/30/22           ND         100         2         12/30/22           ND         100         2         12/30/22           ND         100         2         12/30/22           MD         50-200         12/30/22           mg/kg         mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0500         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: JL         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: JL         12/30/22         12/30/22           mg/kg         mg/kg         Analyst: JL         12/30/22         12/30/22           mg/kg         mg/kg         Analyst: RAS         12/30/22         12/30/22



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 5 E212151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		108 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2253033
Chloride	699	20.0	1	12/29/22	12/30/22	

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 6 E212151-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		103 %	50-200	12/30/22	12/30/22	
	/1	ma/ka	Analy	vst: RAS		Batch: 2253033
Anions by EPA 300.0/9056A	mg/kg	mg/kg	2 thany	Bt. 10 18		Datell. 2233033

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 7 E212151-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		98.9 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
Chloride	487	20.0	1	12/29/22	12/30/22	·



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 8

#### E212151-08

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2253032
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0500	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
	110 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2253032
ND	20.0	1	12/29/22	12/30/22	
	101 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2253035
28.1	25.0	1	12/30/22	12/30/22	
ND	50.0	1	12/30/22	12/30/22	
ND	50.0	50-200	12/30/22 12/30/22	12/30/22 12/30/22	
ND mg/kg					Batch: 2253033
	mg/kg  ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           II0 %         mg/kg           MD         20.0           I01 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analys           ND         20.0         1           101 %         70-130           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: IY           ng/kg         mg/kg         Analyst: IY	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22         12/30/22           ND         0.0500         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY         12/29/22         12/30/22



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 9

#### E212151-09

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		88.9 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2253033
· · · · · · · · · · · · · · · · · · ·	695	20.0	-	12/29/22	12/30/22	<u> </u>



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 10 E212151-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		93.3 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2253033
Chloride	512	20.0	1	12/29/22	12/30/22	

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 11 E212151-11

		E212131-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
. Ilm., ve	resure			•	1 11111/ 200	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		105 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
Chloride	889	20.0	1	12/29/22	12/30/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 12 E212151-12

		E212131-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		102 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
Chloride	730	20.0	1	12/29/22	12/30/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 13 E212151-13

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
ND	0.0500	1	12/29/22	12/30/22	
ND	0.0250	1	12/29/22	12/30/22	
	98.9 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2253032
ND	20.0	1	12/29/22	12/30/22	
	94.3 %	70-130	12/29/22	12/30/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2253035
71.4	25.0	1	12/30/22	12/30/22	
114	50.0	1	12/30/22	12/30/22	
	104 %	50-200	12/30/22	12/30/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
631	20.0	1	12/29/22	12/30/22	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           98.9 %         mg/kg           MD         20.0           94.3 %         mg/kg           mg/kg         mg/kg           71.4         25.0           114         50.0           104 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           98.9 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           94.3 %         70-130         1           mg/kg         mg/kg         Anal           71.4         25.0         1           114         50.0         1           104 %         50-200           mg/kg         Mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0500         1         12/29/22           ND         0.0250         1         12/29/22           ND         0.0250         1         12/29/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22           mg/kg         mg/kg         Analyst: JL           71.4         25.0         1         12/30/22           114         50.0         1         12/30/22           104 %         50-200         12/30/22           mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0500         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           ND         0.0250         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: IY         12/29/22         12/30/22           mg/kg         mg/kg         Analyst: JL         12/29/22         12/30/22           114         50.0         1         12/30/22         12/30/22           104 %         50-200         12/30/22         12/30/22         12/30/22           mg/kg         mg/kg         Analyst: RAS

EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 14 E212151-14

		E212131-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	ma/ka	ma/ka	Anals	•	<u> </u>	Batch: 2253032
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		12/20/22	Batch: 2233032
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	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	ng/kg mg/kg Analyst: IY			Batch: 2253032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		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	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

### SP2 - 15 E212151-15

		E212131-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: IY		yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	12/30/22	12/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2253033
Chloride	268	20.0	1	12/29/22	12/30/22	
Chloride	268	20.0	1	12/29/22	12/30/22	



EOG Resources	Project Name:	Achen Frey DM #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

SP2 - 16 E212151-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2253032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/22	12/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	12/29/22	12/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: n-Nonane		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	

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

EOG Resources	Project Name:	Achen Frey DM #011	Reported:
104 South 4th Street	Project Number:	19034-0009	_
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

Artesia NM, 88210		Project Number		reg Crabtree				1	12/30/2022 1:50:29PM
		Volatile (	Organics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253032-BLK1)							Prepared: 12	2/29/22 Ar	nalyzed: 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	2/29/22 Ar	nalyzed: 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	2/29/22 Ar	nalyzed: 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	



## **QC Summary Data**

 EOG Resources
 Project Name:
 Achen Frey DM #011
 Reported:

 104 South 4th Street
 Project Number:
 19034-0009

 Artesia NM, 88210
 Project Manager:
 Greg Crabtree
 12/30/2022
 1:50:29PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				12	2/30/2022 1:50:29PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2253032-BLK1)							Prepared: 1	2/29/22 Ana	alyzed: 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: 1	2/29/22 Ana	alyzed: 12/30/22
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			

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)					P	repared: 12	/29/22 Analyz	ed: 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	Project Name: Project Number:	Achen Frey DM #011 19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/2022 1:50:29PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				1	12/30/2022 1:50:29PI
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253035-BLK1)							Prepared: 1	2/30/22 Ar	nalyzed: 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: 1	2/30/22 Ar	nalyzed: 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: 1	2/30/22 Ar	nalyzed: 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: 1	2/30/22 Ar	nalyzed: 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			

LCS Dup (2253033-BSD1)

Chloride

Prepared: 12/29/22 Analyzed: 12/30/22

20

## **QC Summary Data**

EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager	19	chen Frey DM 9034-0009 reg Crabtree			<b>Reported:</b> 2/30/2022 1:50:29PM			
Altesia Nivi, 60210		Anions by EPA 300.0/9056A								
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2253033-BLK1)			3 3						nalyzed: 12/30/22	
Chloride  LCS (2253033-BS1)	ND	20.0				I	Prepared: 1	2/29/22 Ar	nalyzed: 12/30/22	
Chloride	245	20.0	250		98.0	90-110				

250

20.0

99.7

90-110

1.68

249

#### 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 #011	
104 South 4th Street	Project Number:	19034-0009	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	12/30/22 13:50

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

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RCRA	] ?
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11:01 12/29/22	5	1)	SP2-	- 01 ·		9	X										
11:07 12/29/24	5	(	592	-10		10	K										
Additional Instruction	s:												1				
(field sampler), attest to the vate or time of collection is con					that tampering with or intentionally mislabel			t		100					eived on ice the day o°C on subsequent da		led or receiv
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ample Matrix: <b>S</b> - Soil, <b>Sd</b> - Sol	id, <b>S</b> g - Slude	te. A - Aquec	ous. <b>O</b> - Other		AND THE RESERVE OF THE PARTY OF	Containe	er Type:	g - gla	iss. p -		astic, ag -		glass, v	- VOA	235000 HV3550/A500/JS50VE	UHIDA ASSESSA	
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Page 1087 of 1109

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Client: E	OG Achen Frey D	NA #O11				Bill To ttention:		1-1		Lab I	Use Only Job Number	10	2D	TA1	Standard	EPA P CWA	rogran SDW
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Address:	PART I				200229400040	ty, State, Zip		See See			Analysis and Meth	od					RCF
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elinquishe	d by: (Signature	)	Date		Time	Received by: (Signature)	Date		Time		AVG Temp °C						

Printed: 12/30/2022 6:52:04AM

## **Envirotech Analytical Laboratory**

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)							
	ne sample ID match the COC?	ut 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	Carrier: <u>P</u>	atrick Mesa				
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes					
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution	
Sample T	<u> [urn Around Time (TAT)</u>							
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes					
Sample C	<u>Cooler</u>							
7. Was a s	sample cooler received?		Yes					
8. If yes,	was cooler received in good condition?		Yes					
9. Was the	e sample(s) received intact, i.e., not broken?		Yes					
10. Were	custody/security seals present?		No					
	, were custody/security seals intact?		NA					
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes					
		temperature. 1	<u>~</u>					
	Container queous VOC samples present?		No					
	OC samples collected in VOA Vials?		NA					
	head space less than 6-8 mm (pea sized or less)?		NA					
	trip blank (TB) included for VOC analyses?		NA					
	on-VOC samples collected in the correct containers	9	Yes					
	appropriate volume/weight or number of sample contain		Yes					
Field Lat	** *	iers conecteur	105					
•	field sample labels filled out with the minimum info	rmation:						
	ample ID?	mation.	Yes					
	pate/Time Collected?		Yes					
C	ollectors name?		Yes					
Sample P	<u>Preservation</u>							
21. Does	the COC or field labels indicate the samples were pr	reserved?	No					
22. Are sa	ample(s) correctly preserved?		NA					
24. Is lab	filteration required and/or requested for dissolved n	netals?	No					
Multipha	se Sample Matrix							
26. Does	the sample have more than one phase, i.e., multipha	se?	No					
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA					
	act Laboratory							
	amples required to get sent to a subcontract laborato	en r9	No					
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	NI A			
	• •	so who:	INA	Subcontract Lab	; NA			
Client In	<u>istruction</u>							

Date

Achen Frey DM #011 Remediation Closure Report



December 30, 2022

## Appendix 5

**Regulatory Correspondence** 

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. 4<sup>th</sup> 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 < <u>Tina Huerta@eogresources.com</u>>

**Cc:** Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; 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



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 <<u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; 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 Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

seog resources

 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 < <u>Tina Huerta@eogresources.com</u>>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<<u>Robert.Hamlet@emnrd.nm.gov</u>>

**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 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>
http://www.emnrd.nm.gov



**From:** Tina Huerta < <u>Tina Huerta@eogresources.com</u>>

Sent: Friday, December 16, 2022 7:31 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >; blm nm cfo spill@blm.gov

**Cc:** Artesia S&E Spill Remediation < <u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; 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

**o**eog resources

**Artesia Division** 

Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

**Date:** Thursday, December 15, 2022 3:43:42 PM

Attachments: image002.png

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FYI

## Jeremy Haass

Safety & Environmental Specialist EOG Resources – Artesia Division

104 S. 4<sup>th</sup> 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 < <u>Miriam Morales@eogresources.com</u>>

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



**From:** Miriam Morales < <u>Miriam Morales@eogresources.com</u>>

Sent: Thursday, December 15, 2022 11:16 AM

**To:** Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

**Cc:** Artesia S&E Spill Remediation <<u>Artesia S&E Spill Remediation@eogresources.com</u>>; Artesia

Regulatory < <a href="mailto:regulatory@eogresources.com">Artesia\_Regulatory@eogresources.com</a>>

**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

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. 4<sup>th</sup> 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 < <u>Tina Huerta@eogresources.com</u>>

**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 < <u>mike.bratcher@emnrd.nm.gov</u>>; 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



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 <<u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; 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.

Subject: FW: [EXTERNAL] Achen Frey DM #11 Sampling Notification

**Date:** Monday, November 28, 2022 8:05:39 AM

Attachments: image002.png

image003.png

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FYI

## Jeremy Haass

Safety & Environmental Specialist EOG Resources – Artesia Division 104 S. 4<sup>th</sup> 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 < <u>Lacey Granillo@eogresources.com</u>>

**Cc:** Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Nobui, Jennifer, EMNRD

<<u>Jennifer.Nobui@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] Achen Frey DM #11 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



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 < <u>Artesia Regulatory@eogresources.com</u>>; Artesia S&E Spill Remediation

<a href="mailto:</a> <a href="mailto:Seeignes-2">Artesia S&E Spill Remediation@eogresources.com">Seeignes-2</a>

**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 29<sup>th</sup> at 8:00 and be continuous through December 1<sup>st</sup>.

Achen Frey DM #011 30-015-24536 Unit I, Section 14, T17S, R25E Eddy County, NM nAPP2135057740

Lacey Graníllo

Regulatory Specialist Cell: (575) 909-5284

Lacey Granillo@eogresources.com



Subject: Fwd: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

**Date:** Wednesday, October 12, 2022 11:54:01 AM

Attachments: 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**

#### 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 <<u>mike.bratcher@emnrd.nm.gov</u>>; Nobui, Jennifer, EMNRD <<u>Jennifer.Nobui@emnrd.nm.gov</u>>; Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>; Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>

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 < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; 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 Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

**o**eog resources

**Artesia Division** 

Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

Date: Thursday, November 10, 2022 3:30:46 PM

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. 4<sup>th</sup> 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 < <u>Tina Huerta@eogresources.com</u>>

**Cc:** Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Nobui, Jennifer, EMNRD

<<u>Jennifer.Nobui@emnrd.nm.gov</u>>

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



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 < <u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; Artesia

Regulatory < <a href="mailto:Artesia\_Regulatory@eogresources.com">Artesia\_Regulatory@eogresources.com</a>>

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 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 Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

**S**eog resources

Subject: FW: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

Date: Wednesday, October 5, 2022 11:07:18 AM

Attachments: image002.png

image001.png

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FYI

## Jeremy Haass

Safety & Environmental Specialist EOG Resources – Artesia Division 104 S. 4<sup>th</sup> 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 < <u>Tina Huerta@eogresources.com</u>>

Cc: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >; Hamlet, Robert, EMNRD

<<u>Robert.Hamlet@emnrd.nm.gov></u>; Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@emnrd.nm.gov></u>

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 5, 2022 8:22 AM

**To:** Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Nobui, Jennifer, EMNRD

<<u>Jennifer.Nobui@emnrd.nm.gov</u>>; Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@emnrd.nm.gov</u>>;

Hamlet, Robert, EMNRD < <a href="mailto:Robert.Hamlet@emnrd.nm.gov">Robert, EMNRD | Robert, EM

<<u>Nelson.Velez@emnrd.nm.gov</u>>

Subject: Fw: [EXTERNAL] Achen Frey DM 11 (nAPP2135057740) Sampling Notification

**From:** Tina Huerta < <u>Tina Huerta@eogresources.com</u>>

**Sent:** Wednesday, October 5, 2022 8:21 AM

**To:** Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >

Cc: Artesia S&E Spill Remediation <<u>Artesia S&E Spill Remediation@eogresources.com</u>>; 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 Hverta 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 < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; 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 Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

**b**eog resources

**Artesia Division** 

### **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 <a href="mailto:shall@envirotech-inc.com">healt: shall@envirotech-inc.com</a>, Tami Knight < TKnight@envirotech-inc.com >

Cc:

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

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

**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: 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 < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; Artesia Regulatory < <u>Artesia Regulatory@eogresources.com</u>>

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 Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

**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

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:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	171430
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	1/30/2023