



CLOSURE REQUEST REPORT

Prepared For:

Devon Energy Production Company, LP

5315 Buena Vista Dr.

Carlsbad, NM 88220

Site Information:

Cochiti 28 Federal #001

Incident Number nRM2014059324

Unit L, Section 34, Township 24 South, Range 33 East

Lea County, New Mexico

(32.17200, -103.56590)

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Closure Request Report (CRR) detailing delineation soil sampling and confirmation soil sampling activities associated with an inadvertent release of produced water at the Cochiti 28 Federal #001 (Site). Based on laboratory analytical results for delineation soil sampling indicating the potential absence of residually impacted soil and furthermore through subsequent confirmation soil sampling activities at the Site, Devon respectfully requests No Further Remedial Action (NFRA) for Incident Number nRM2014059324.

SITE LOCATION AND RELEASE BACKGROUND

The Saltwater Disposal (SWD) well, (API 30-015-30113) for this Site is associated with oil and gas exploration and production operations on Federal managed by the Bureau of Land Management (BLM), located (32.2777977°, -103.996315°) as provided on the initial Corrective Action Form C-141 (Form C-141). The subject release is located 26 miles south of the plugged SWD well (32.17200°, -103.565900°) C-141 point of reference on State Land managed by the State Land Office (SLO), which is depicted on **Figure 1 in Appendix A**.

On April 29, 2020, a truck driver struck a produced water poly line which caused the release of approximately 206.26 barrels (bbls) of produced water onto an access roadway and Right of Way (ROW). A nearby hydrovac was able to begin recovery immediately upon Site arrival and recovered approximately 137.50 bbls of fluid. Devon immediately notified the New Mexico Oil and Gas Conservation Division (NMOCD) and SLO via email on April 30, 2020, following the release discovery, and reported the release on a C-141, which was received by the NMOCD on May 20, 2020, and was assigned Incident Number nRM2014059324. **Figure 2 in Appendix A** depicts the estimated release area, hereafter referred to as the Area of Concern (AOC), based on information provided on the Form C-141.

On October 29, 2024, a Sampling Variance Request (SVR) was submitted to the NMOCD, and SLO, requesting a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 1,000 square feet (sqft) from the AOC footprint and 200 sqft from the edges of the AOC. The request was conditionally approved on October 29, 2024, by the NMOCD for 400 sqft from the AOC, and 200 sqft from the edges, but was denied by the SLO on October 30, 2024, due to the Site being located near a biologically sensitive area for Lesser Prairie Chicken occupied range, and near a mapped Scheer's Beehive Cactus.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Based on the desktop review for the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and

- A 100-year floodplain.

As summarized in the SVR report, depth to groundwater at the Site is estimated to be between 51 and 100 feet below bgs, based off a nearby soil boring advanced by Enviro-Drill, Inc. located approximately 0.95-mile east of the Site. Soil boring (C-03603-POD6) was advanced on January 13, 2013, via a truck mounted drill rig equipped with a hollow stem auger to total depth of 75 feet bgs. No fluids were observed throughout the drilling process, and the boring was plugged and abandoned according to the appropriate regulations. The soil boring location may be referenced on **Figure 1A** in **Appendix A**. The well log and plugging record for the referenced soil boring are included in **Appendix B**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and no recent data from groundwater wells and/or borings within 0.5 mile from the Site, the following Closure Criteria were applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B/8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B/8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

CULTURAL PROPERTIES PROTECTION RULE AND BIOLOGICAL AREAS

To comply with the requirements set by the SLO Cultural Properties Protection (CPP) Rule, (19.2.24 NMAC), Etech, on behalf of Devon, contracted Lone Star Mountain Archaeological Services, Inc. (Lone Mountain) to conduct an Archaeological Records Management Section (ARMS) review, of the Area of Potential Effect (APE), covering approximately 4.57 acres on SLO managed land. The entire APE was previously surveyed under New Mexico Cultural Resource Investigation (NMCRIIS) Activity Number 139359.

Previous cultural surveys yielded negative for archaeological sites, and/or historic properties within the APE buffer. Based on the ARMS review, Lone Mountain concluded that an intensive pedestrian survey was not applicable. A Right-of-Entry Permit (ROE) was submitted to the Commissioner of Public Lands on September 10, 2024, and Right-of Entry Permit No: RE-7214, was subsequently approved on September 26, 2024. The Cultural Resources Cover Sheet (CRC) letter is included in **Appendix C**.

A desktop review was conducted according to the U.S Fish and Wildlife Service (USFWS) and National Marine Fisheries Services (NMFS), identified the Lesser Prairie-chicken (*Tympanuchus pallidicinctus*), which is classified as Endangered in Lea County (**Appendix D**). According to the USFWS, a critical habitat has not been designated for the Lesser Prairie-chicken, within the Site location, or the immediate vicinity but overlaps within the APE (**Figure 1D** in **Appendix A**). No work involving the use of heavy equipment was utilized during the period of March 1st through June 15th. A special status plant species (SSPS) survey was not conducted for Scheer's Beehive Cactus (*Coryphantha robustispina* var. *scheeri*) due to the proximity of the nearest known occurrence, located approximately 0.4 miles from the Site (**Figure 1D** in **Appendix D**), therefore, Devon does not assume displacement of the species.

DELINEATION SOIL SAMPLING ACTIVITIES

On October 18, 2024, Etech evaluated the AOC based on information provided by Devon on the Form C-141, and visual observations estimated by apparent vegetative stress via handheld Global Positioning System (GPS). Seventeen delineation locations (PH01 through PH17) were advanced via backhoe within and around the identified AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Two soil samples were collected from each delineation soil sampling location, representing the highest observed field screening concentration(s) and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix E**. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix F**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 included in **Appendix G**. The executed chain-of-custody form and laboratory reports are provided in **Appendix H**.

CONFIRMATION SOIL SAMPLING ACTIVITIES

On October 31, 2024, Etech collected 5-point composite confirmation soil samples throughout the AOC footprint (FS01 through FS117), and along the edge of the AOC (SW01 through SW06), representing no more than 200 sqft per soil sample. The confirmation soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Confirmation soil samples were field screened, handled, and analyzed as previously described. The locations of the confirmation soil samples are shown in **Figure 3** in **Appendix A**. Photographic documentation during soil sampling activities is included in **Appendix F**.

CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all confirmation soil samples and were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in **Table 1** included in **Appendix G**.

RECLAMATION

NMSLO Seed Mix for Sandy Loam (SL) will be hand-broadcasted over the identified area(s) void of vegetation and/or indicative of vegetative stress in the next favorable growing season following SLO guidelines (**Figure 4**). The selected seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Site (**Appendix I**). Site inspections will be performed annually to assess the revegetation progress and evaluate the Site for the presence or absence of primary and/or secondary noxious weeds. If no growth is shown within a year of the next favorable growing season, the Site conditions will be reassessed, and Devon will reevaluate revegetation efforts accordingly. If noxious weeds are identified, Devon will address them accordingly.

CLOSURE REQUEST

Based on laboratory analytical results, concentrations of COCs for all delineation and confirmation soil samples were below the Site Closure Criteria and/or reclamation standard. As such, NFRA appears

warranted until the next favorable growing season and this CRR associated with Incident Number nRM2014059324 should be respectfully considered for Closure by the NMOCD and SLO.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or erick@etechenv.com. **Appendix K** provides correspondence email notification receipts from NMOCD and NMSLO associated with the subject release. Previously submitted SVR report can be referenced in **Appendix L**.

Sincerely,
Etech Environmental and Safety Solutions, Inc.



Erick Herrera
Project Geologist



Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, Devon
New Mexico Oil Conservation Division
State Land Office

Appendices:

- Appendix A:** Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 1D: Site Characterization Map – Surficial Receptors Biological
Figure 2: Delineation Soil Sample Locations
Figure 3: Confirmation Soil Sample Locations
Figure 4: Future Restoration Areas
- Appendix B:** Referenced Well Records
- Appendix C:** NMSLO Cultural Cover Sheet
- Appendix D:** U.S. Fish & Wildlife Service Threatened and Endangered Species Report
- Appendix E:** Soil Sampling Logs
- Appendix F:** Photographic Log
- Appendix G:** Tables
- Appendix H:** Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix I:** NMSLO Sandy Loam Site Seed Mixture
- Appendix K:** Correspondence & Notifications
- Appendix L:** Archived Reports

APPENDIX A

Figures

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



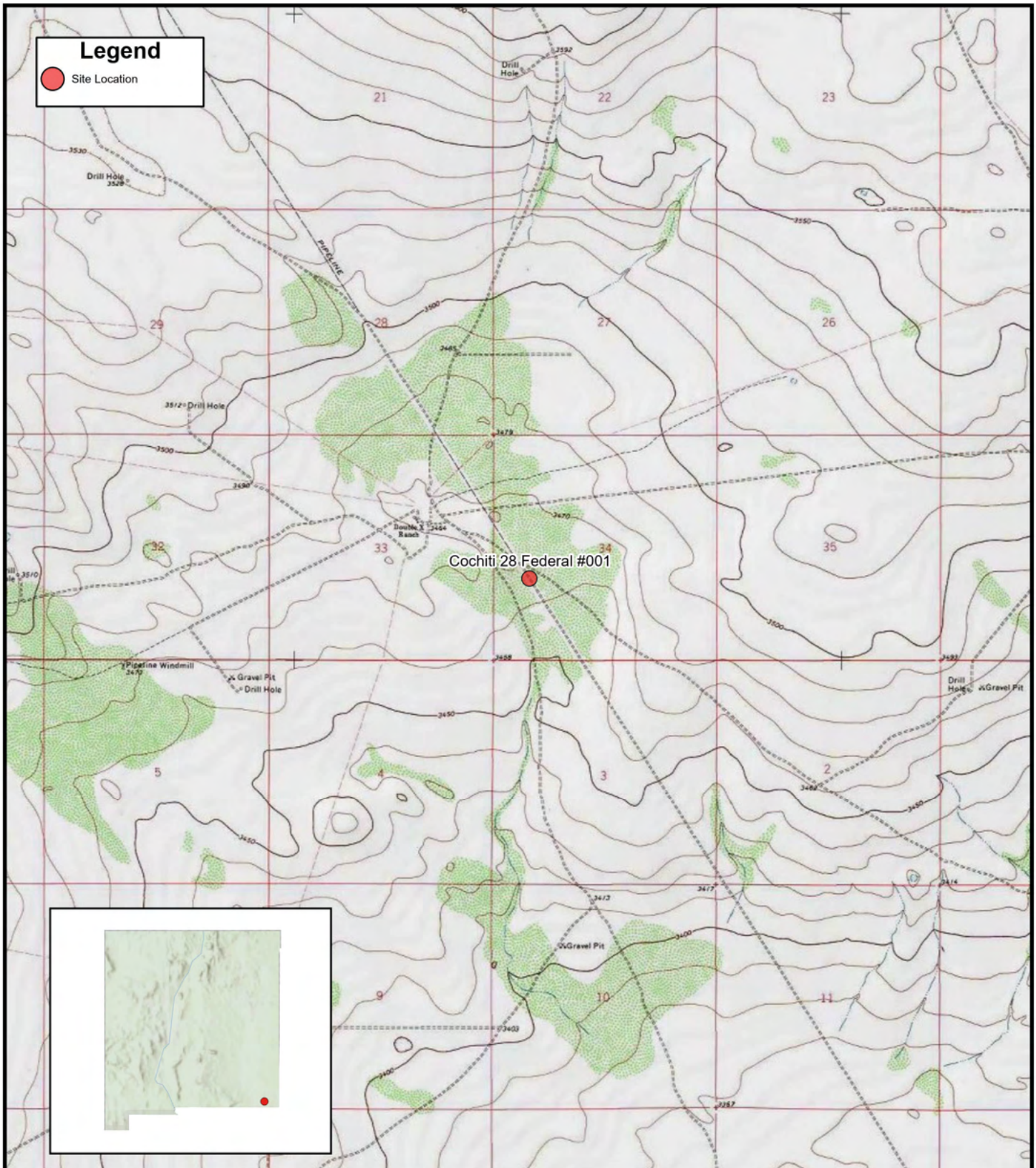


FIGURE 1

Site Location Map

Devon Energy Production Company, LP
Cochiti 28 Federal #001
Unit L Sec 34 T24S R33E
Lea County, New Mexico

eTECH



0 2,000 4,000 Feet

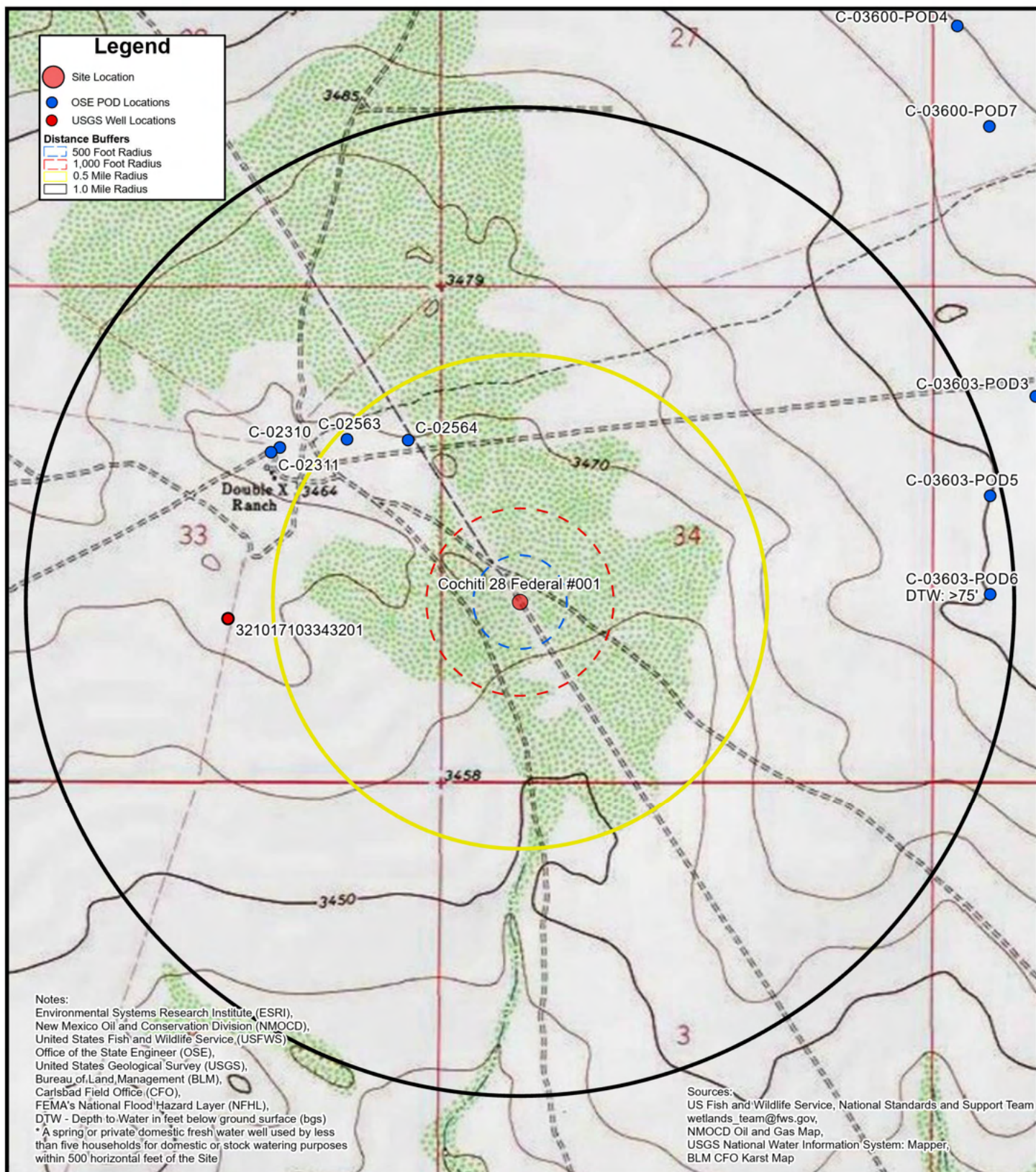


FIGURE 1A
Site Characterization Map
Groundwater

Devon Energy Production Company, LP
Cochiti Federal #001
Unit L Sec 34 T24S R33E
Lea County, New Mexico



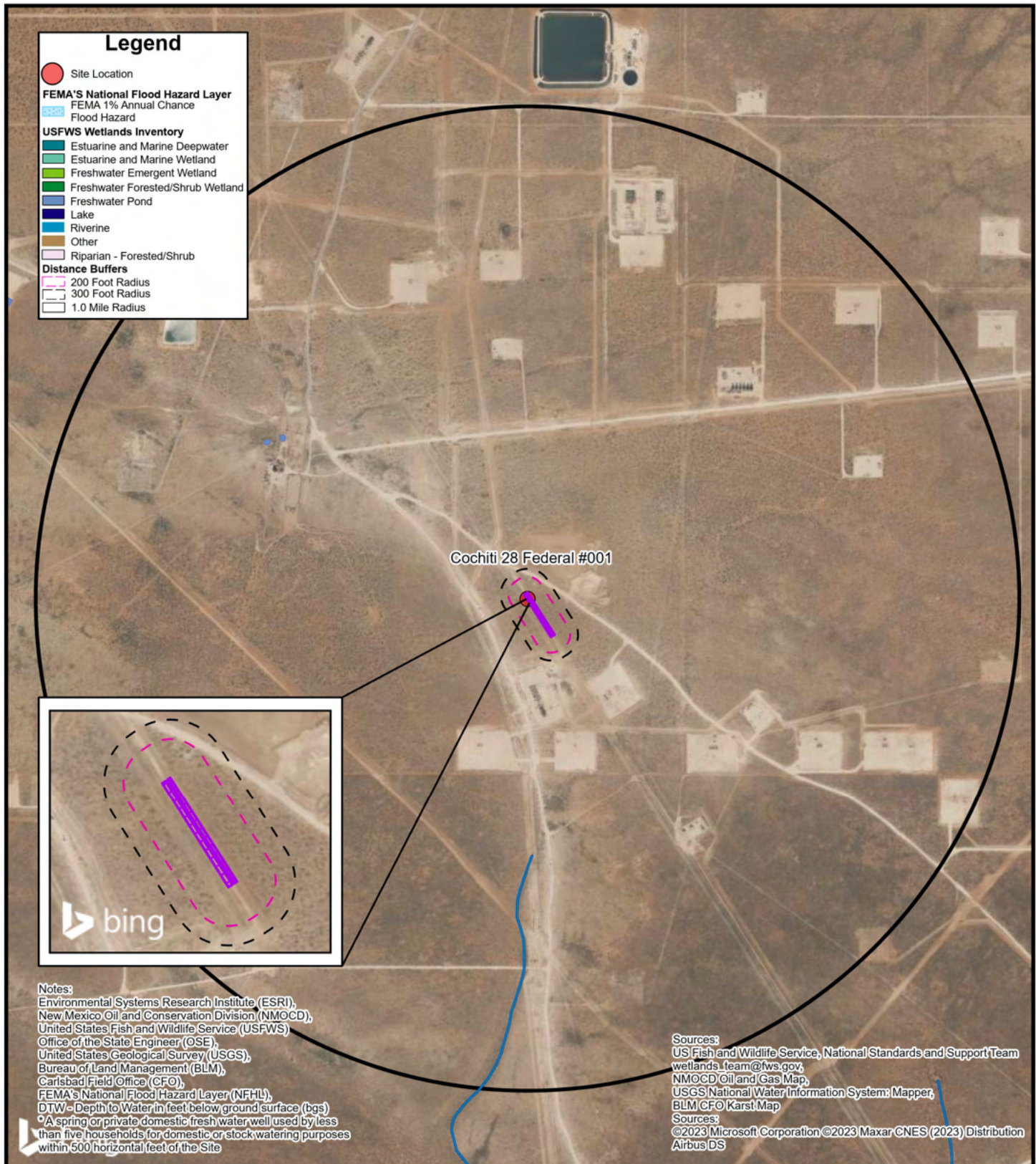


FIGURE 1B Site Characterization Map Surficial Receptors

Devon Energy Production Company, LP
 Cochiti 28 Federal #001
 Unit L Sec 34 T24S R33E
 Lea County, New Mexico



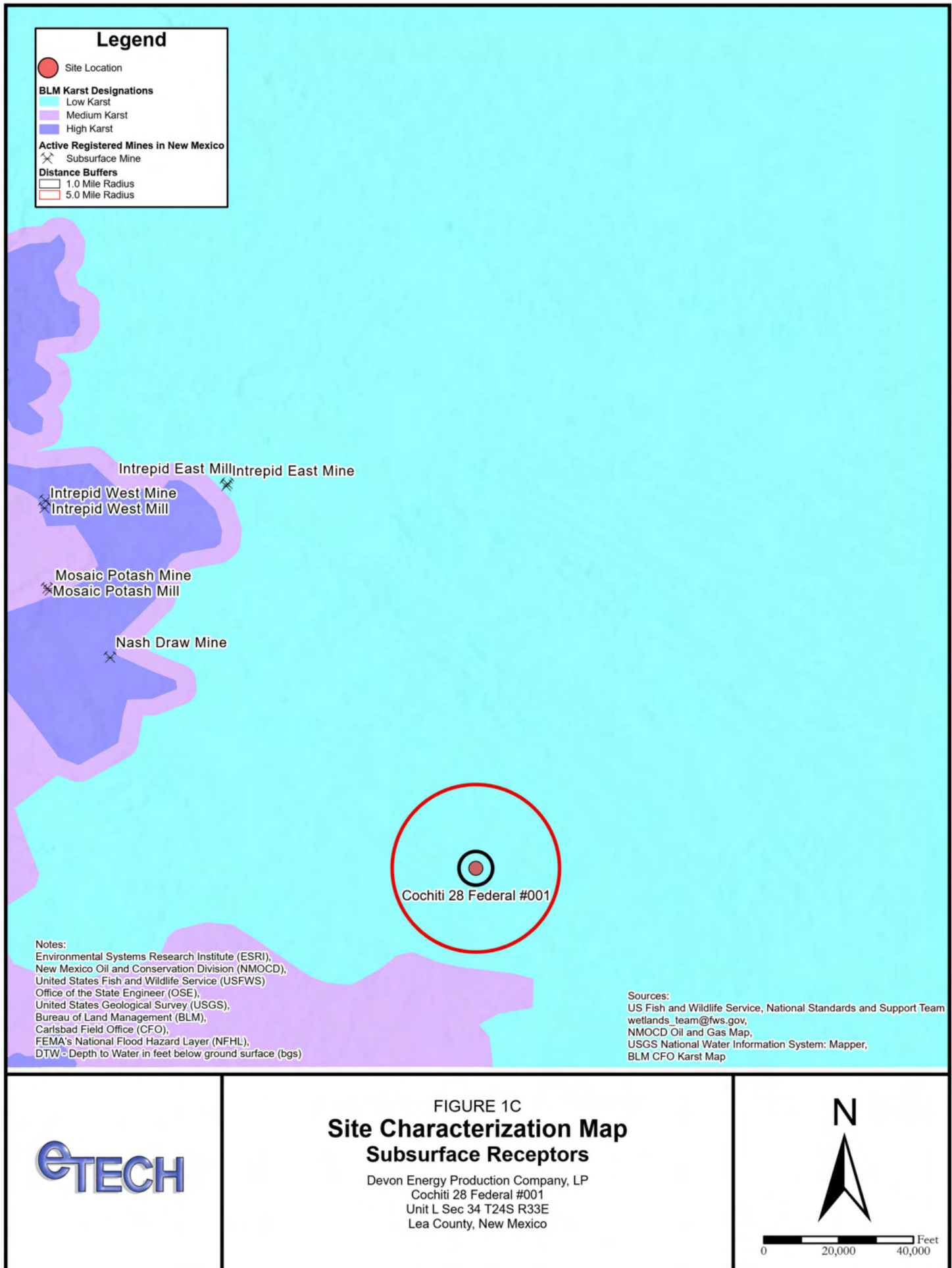




FIGURE 1D
Site Characterization Map
Surficial Receptors - Biological

Devon Energy Production Company, LP
Cochiti 28 Federal #001
Unit L Sec 34 T24S R33E
Lea County, New Mexico



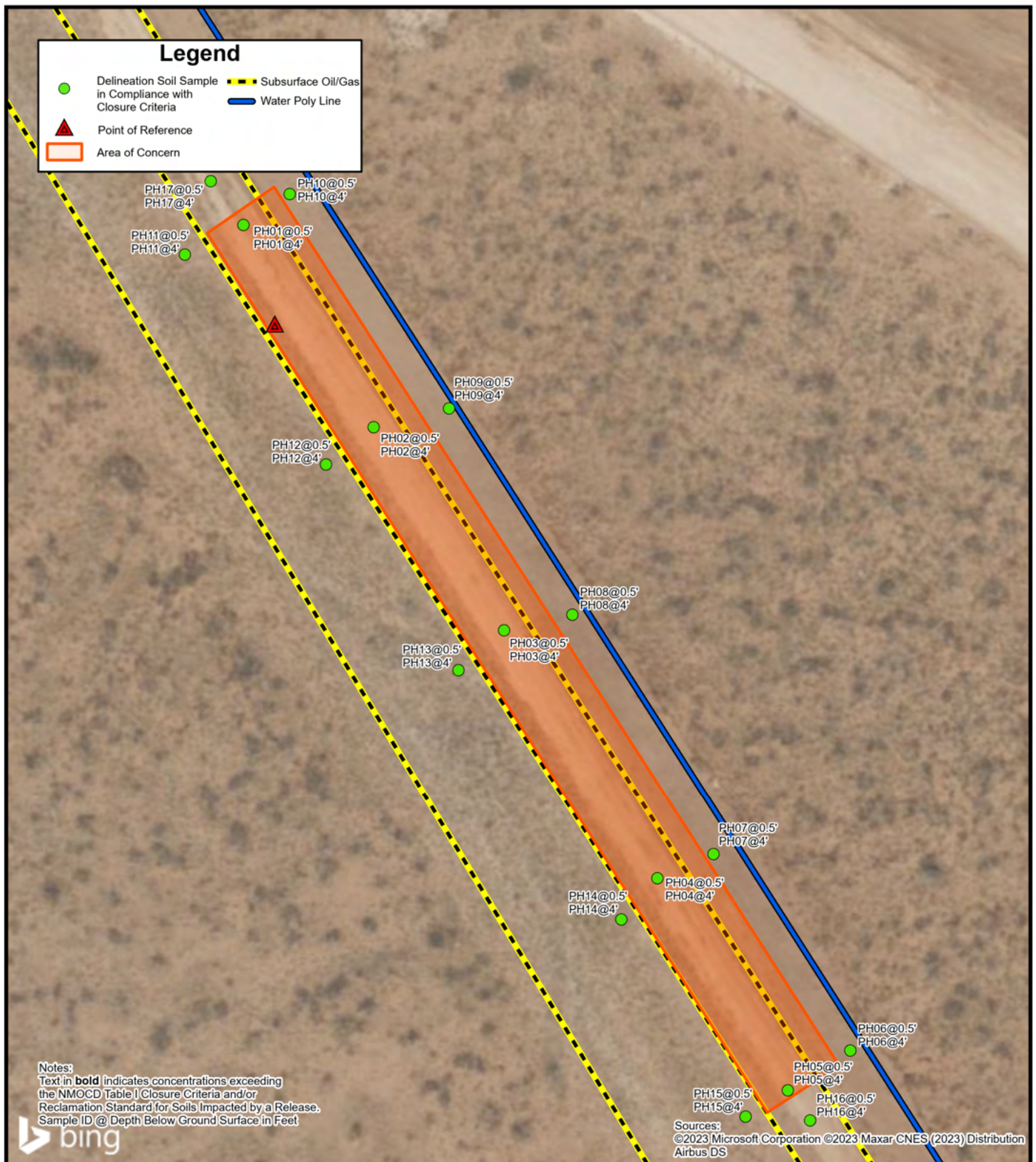


FIGURE 2

Delineation Soil Sample Locations

Devon Energy Production Company, LP
Cochiti 28 Federal #001
Unit L Sec 34 T24S R33E
Lea County, New Mexico

N



0 45 90 Feet

eTECH

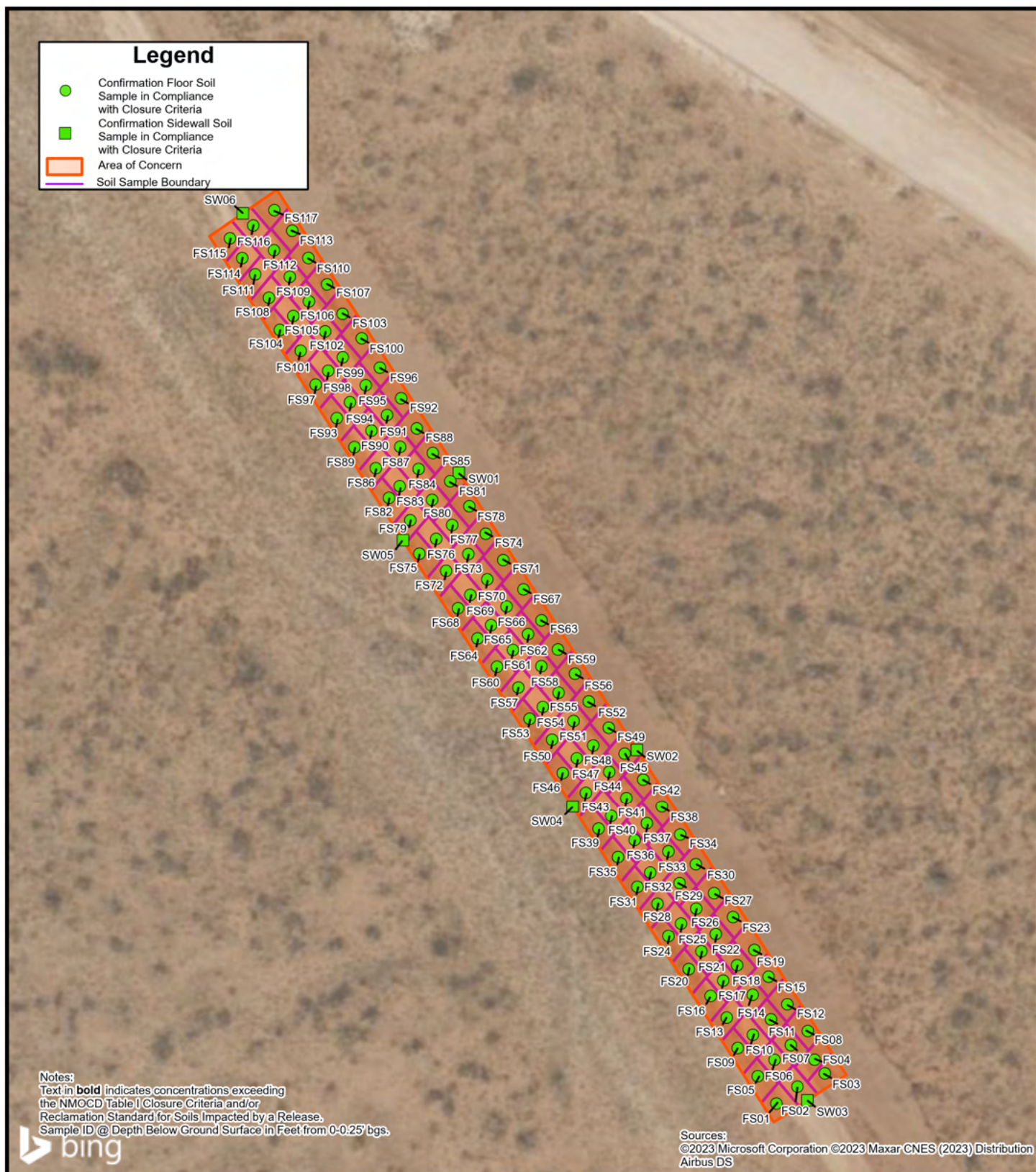


FIGURE 3

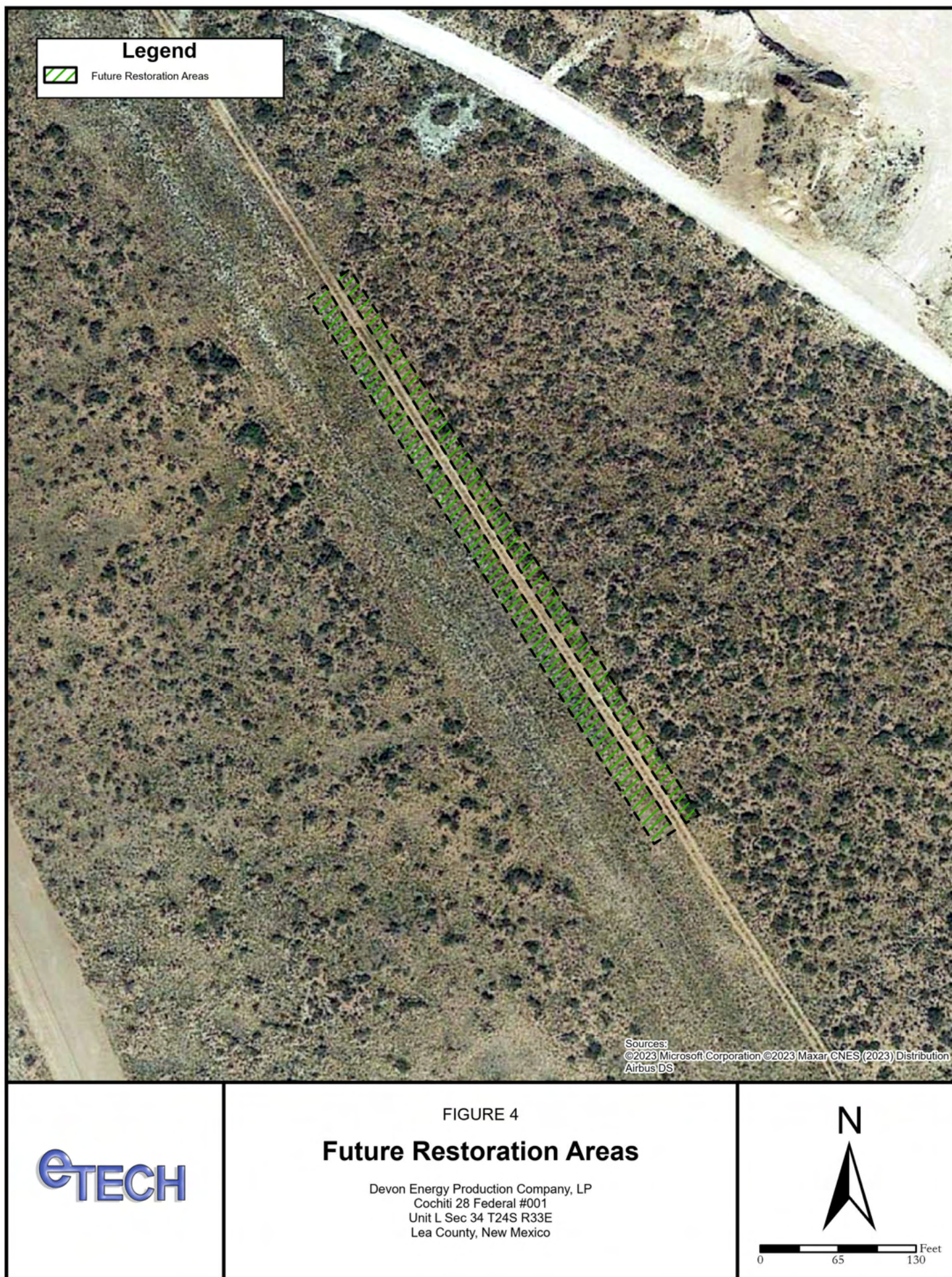
Confirmation Soil Sample Locations

Devon Energy Production Company, LP
 Cochiti 28 Federal #001
 Unit L Sec 34 T24S R33E
 Lea County, New Mexico

N

0 45 90 Feet

eTECH




APPENDIX B

Well Reference Records



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 02310	2	4	2	33	24S	33E	634420	3560893 
x									
Driller License:		Driller Company:							
Driller Name:		UNKNOWN							
Drill Start Date:		01/01/1890		Drill Finish Date:		12/31/1890		Plug Date:	
Log File Date:				PCW Rev Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 60 GPM	
Casing Size:		8.50		Depth Well:		120 feet		Depth Water: 70 feet	
x									

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/17/23 7:44 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) BH 29				OSE FILE NUMBER C3603; 518404			
	WELL OWNER NAME(S) INTERCONTINENTAL POTASH CORP				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 600 W. BENDER BLVD.				CITY HOBBS			
					STATE NM			
					ZIP 88240			
2. DRILLING & CASING INFORMATION	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 20.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	32	58.5	W	* DATUM REQUIRED: WGS 84		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE T24S; R 33E; SECTION 35							
	LICENSE NUMBER WD-1186		NAME OF LICENSED DRILLER RODNEY HAMMER			NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.		
	DRILLING STARTED 01-13-13	DRILLING ENDED 01-13-13	DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 75'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input checked="" type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)		
DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:								
DRILLING METHOD: <input type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input checked="" type="radio"/> OTHER - SPECIFY: AUGER								
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	75	8"	N/A	N/A	N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER C-3603	POD NUMBER 6	TRN NUMBER 518404
LOCATION T24S-R 33E-Sec 35.313		PAGE 1 OF 2

STATE ENGINE OFFICE
#02871
ESTIMATED FUEL (gpm) 2013
TESTED 11:30
DISCHARGE ME 03
TESTING PERIOD

WR-20 WELL RECORD & LOG (Version 06/08/2012)

APPENDIX C

NMSLO Cover Sheet

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Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

APPENDIX D

U.S. Fish & Wildlife Service Threatened and Endangered Species Report

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IPaC**U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Lea County, New Mexico



Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📅 (505) 346-2542

2105 Osuna Road Ne
Albuquerque, NM 87113-1001

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON

Chestnut-collared Longspur *Calcarius ornatus*

Breeds May 1 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Ferruginous Hawk *Buteo regalis*

Breeds Mar 15 to Aug 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/6038>

Northern Harrier *Circus hudsonius*

Breeds Apr 1 to Sep 15

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/8350>

Pectoral Sandpiper *Calidris melanotos*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Sprague's Pipit *Anthus spragueii*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8964>

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events

- for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

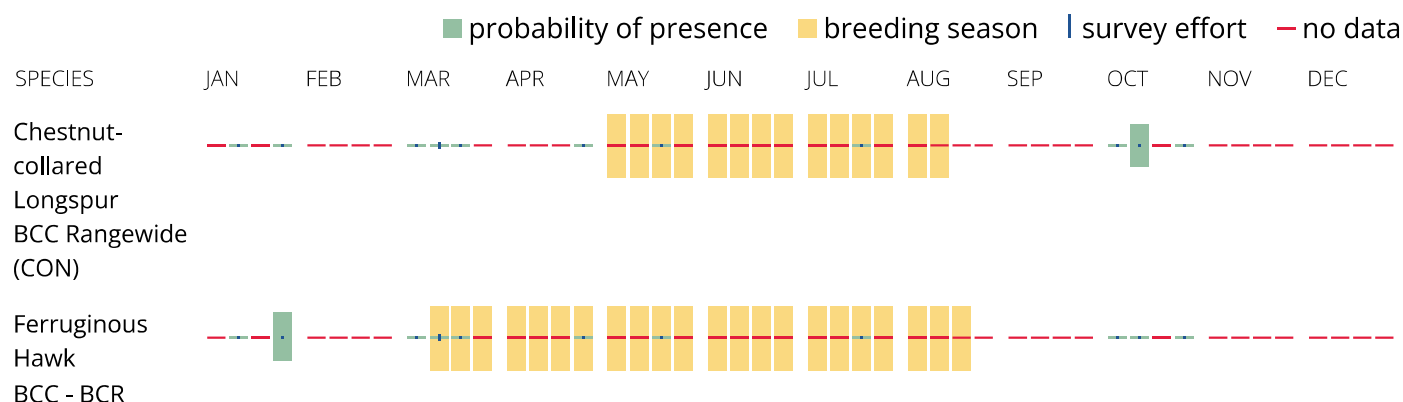
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

APPENDIX E

Soil Sampling Logs



Sample Name: PH01 Date: 10/18/2024
 Site Name: Cochiti 28 Federal #001
 Incident Number: NRM2014059324
 Job Number: 19289

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EK Method: Trackhoe


Site Coordinates: 32.172139N, 103.565954W


Hole Diameter: N/A Total Depth: 4 feet


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0	No	PH01	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor. (0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor. (1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.
Dry	<116	0	No		1	1	SP-SM	
Dry	<116	0	No		2	2	CCHE	
Dry	<116	0	No		4	4		


Total Depth


								Sample Name: PH02		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171852N, 103.565737W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH02	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH02	4	4		Total Depth			


								Sample Name: PH03		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171565N, 103.565520W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH03	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH03	4	4					
Total Depth											


								Sample Name: PH04		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171213N, 103.565264W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH04	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH04	4	4					
Total Depth											


								Sample Name: PH05		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.170913N, 103.565047W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH05	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH05	4	4					
Total Depth											


								Sample Name: PH06		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.170969N, 103.564943W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH06	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH06	4	4					
Total Depth											


								Sample Name: PH07		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171247N, 103.565170W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH07	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH07	4	4					
Total Depth											


								Sample Name: PH08		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171587N, 103.565405W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH08	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH08	4	4					
Total Depth											


								Sample Name: PH09		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171879N, 103.565611W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH09	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH09	4	4					
Total Depth											


								Sample Name: PH10		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.172182N, 103.565876W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH10	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH10	4	4					
Total Depth											


								Sample Name: PH11		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.172097N, 103.566052W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH11	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH11	4	4					
Total Depth											


								Sample Name: PH12		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171800N, 103.565817W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH12	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH12	4	4					
Total Depth											

								Sample Name: PH13		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171509N, 103.565596W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH13	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH13	4	4					
Total Depth											

								Sample Name: PH14		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.171155N, 103.565325W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH14	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor. (0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor. (1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM				
							CCHE				
Dry	<116	0	No		2	2					
						3					
Dry	<116	0	No	PH14	4	4					
Total Depth											

								Sample Name: PH15		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.170876N, 103.565118W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH15	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH15	4	4					
Total Depth											

								Sample Name: PH16		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.170870N, 103.565010W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH16	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH16	4	4					
Total Depth											

								Sample Name: PH17		Date: 10/18/2024	
								Site Name: Cochiti 28 Federal #001			
								Incident Number: NRM2014059324			
								Job Number: 19289			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Trackhoe	
Site Coordinates: 32.172201N, 103.566008W								Hole Diameter: N/A		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	0	No	PH17	0.5	0	CCHE	(0-0.5') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No		1	1	SP-SM	(0.5-1') SAND, dry, light brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.			
Dry	<116	0	No		2	2	CCHE	(1-4') CALICHE, dry, tan, well graded with some silt, fine to coarse grain, abundant small to medium gravel, no stain, no odor.			
Dry	<116	0	No	PH17	4	4					
Total Depth											

APPENDIX F

Photographic Log

**PHOTOGRAPHIC LOG**

Devon Energy Company, LP

Cochiti 28 Federal #001

Incident Number: nRM2014059324

**Photograph 1****Date: 10/18/2024**

Description: Northwestern view of delineation activities.

**Photograph 2****Date: 10/18/2024**

Description: Northwestern view of delineation activities.

**Photograph 3****Date: 10/31/2024**

Description: Southeastern view of confirmation activities.

**Photograph 4****Date: 10/31/2024**

Description: Southwestern view of confirmation activities.

APPENDIX G

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - Incident Number nRM2014059324									
PH01	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH01	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH02	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH02	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH03	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH03	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH04	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH04	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH05	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH05	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH06	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH06	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	21.1
PH07	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH07	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	27.5
PH08	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH08	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	32.6
PH09	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH09	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH10	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH10	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH11	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH11	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
PH12	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH12	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH13	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH13	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH14	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH14	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH15	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH15	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH16	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH16	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH17	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
PH17	10/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Confirmation Soil Samples - Incident Number nRM2014059324									
FS01	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS02	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS03	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS04	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS05	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS06	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS07	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS08	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS09	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS10	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS11	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS12	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS13	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS14	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS15	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS16	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS17	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS18	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS19	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS20	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS21	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS22	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS23	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS24	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS25	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS26	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS27	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS28	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS29	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS30	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS31	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS32	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS33	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS34	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	21.3 [†]
FS35	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS36	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS37	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS38	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS39	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS40	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS41	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS42	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS43	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS44	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS45	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS46	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS47	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS48	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	82.5 [†]
FS49	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	90.6 [†]
FS50	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS51	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS52	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS53	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS54	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS55	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS56	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS57	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS58	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS59	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS60	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS61	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS62	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS63	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS64	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS65	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS66	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS67	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS68	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS69	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS70	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS71	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS72	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS73	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS74	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS75	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS76	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS77	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS78	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS79	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



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Devon Energy Production Company, LP
Cochiti 28 Federal #001
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS80	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS81	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS82	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS83	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS84	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS85	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS86	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS87	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS88	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS89	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS90	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS91	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	32.1	<50.0	32.1	<20.0 [†]
FS92	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS93	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS94	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS95	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS96	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS97	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS98	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS99	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS100	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS101	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS102	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



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Cochiti 28 Federal #001
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS103	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS104	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS105	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS106	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS107	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS108	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS109	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS110	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS111	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS112	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS113	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS114	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS115	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS116	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
FS117	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
SW01	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
SW02	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
SW03	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
SW04	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
SW05	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]
SW06	10/31/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0 [†]

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release

[†] The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX H

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E410237

Job Number: 01058-0007

Received: 10/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/24/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/24/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E410237
Date Received: 10/22/2024 7:45:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2024 7:45:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/24 12:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E410237-01A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH01 4'	E410237-02A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH02 0.5'	E410237-03A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH02 4'	E410237-04A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH03 0.5'	E410237-05A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH03 4'	E410237-06A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH04 0.5'	E410237-07A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH04 4'	E410237-08A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH05 0.5'	E410237-09A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH05 4'	E410237-10A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH06 0.5'	E410237-11A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH06 4'	E410237-12A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH07 0.5'	E410237-13A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH07 4'	E410237-14A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH08 0.5'	E410237-15A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH08 4'	E410237-16A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH09 0.5'	E410237-17A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH09 4'	E410237-18A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH10 0.5'	E410237-19A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH10 4'	E410237-20A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH01 0.5'
E410237-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.0 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.0 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	87.9 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH01 4'
E410237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	89.5 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH02 0.5'

E410237-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	88.9 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
10/24/2024 12:45:05PM

PH02 4'

E410237-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	89.8 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH03 0.5'

E410237-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	93.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	93.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	82.4 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH03 4'

E410237-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	93.2 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH04 0.5'

E410237-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	88.4 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH04 4'
E410237-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	89.0 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH05 0.5'

E410237-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	93.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	100 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	93.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	100 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	88.6 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH05 4'
E410237-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	92.8 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	92.8 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	86.3 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH06 0.5'

E410237-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	91.6 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	91.6 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	94.1 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH06 4'
E410237-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	93.3 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	21.1	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH07 0.5'

E410237-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.9 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	85.6 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH07 4'

E410237-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	91.7 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	27.5	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH08 0.5'

E410237-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	91.8 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH08 4'

E410237-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.2 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.2 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	90.0 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	32.6	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH09 0.5'

E410237-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	103 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	87.0 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH09 4'
E410237-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: Bromofluorobenzene	94.6 %	70-130		10/22/24	10/22/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/22/24	10/22/24	
Surrogate: Toluene-d8	101 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443029	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	89.9 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2443039	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH10 0.5'

E410237-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: Bromofluorobenzene	91.1 %	70-130		10/22/24	10/23/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/22/24	10/23/24	
Surrogate: Toluene-d8	125 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: Bromofluorobenzene	91.1 %	70-130		10/22/24	10/23/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/22/24	10/23/24	
Surrogate: Toluene-d8	125 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	92.9 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 12:45:05PM
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PH10 4'

E410237-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/22/24	10/23/24	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		10/22/24	10/23/24	
Surrogate: Toluene-d8	111 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2443027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/22/24	10/23/24	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		10/22/24	10/23/24	
Surrogate: Toluene-d8	111 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443029
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/23/24	
Surrogate: n-Nonane	94.2 %	50-200		10/22/24	10/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443039
Chloride	ND	20.0	1	10/22/24	10/22/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 12:45:05PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2443027-BLK1) Prepared: 10/22/24 Analyzed: 10/22/24

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	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2443027-BS1) Prepared: 10/22/24 Analyzed: 10/22/24

Benzene	2.41	0.0250	2.50		96.2	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.47	0.0250	2.50		98.9	70-130			
o-Xylene	2.68	0.0250	2.50		107	70-130			
p,m-Xylene	5.39	0.0500	5.00		108	70-130			
Total Xylenes	8.07	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

Matrix Spike (2443027-MS1) Source: E410237-08 Prepared: 10/22/24 Analyzed: 10/22/24

Benzene	2.31	0.0250	2.50	ND	92.4	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135			
Toluene	2.38	0.0250	2.50	ND	95.1	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.28	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.91	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2443027-MSD1) Source: E410237-08 Prepared: 10/22/24 Analyzed: 10/22/24

Benzene	2.33	0.0250	2.50	ND	93.2	48-131	0.862	23	
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	3.08	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	2.74	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	0.0761	27	
p,m-Xylene	5.25	0.0500	5.00	ND	105	43-135	0.627	27	
Total Xylenes	7.87	0.0250	7.50	ND	105	43-135	0.444	27	
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 12:45:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443027-BLK1) Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2443027-BS2) Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: Bromofluorobenzene	0.459		0.500		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

Matrix Spike (2443027-MS2) Source: E410237-08 Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2443027-MSD2) Source: E410237-08 Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130	7.87	20	
Surrogate: Bromofluorobenzene	0.461		0.500		92.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 12:45:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443029-BLK1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		94.1	50-200			

LCS (2443029-BS1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2443029-MS1)					Source: E410237-10		Prepared: 10/22/24 Analyzed: 10/22/24		
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

Matrix Spike Dup (2443029-MSD1)					Source: E410237-10		Prepared: 10/22/24 Analyzed: 10/23/24		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	1.71	20	
Surrogate: n-Nonane	50.6		50.0		101	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 12:45:05PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2443039-BLK1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Chloride	ND	20.0							
LCS (2443039-BS1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2443039-MS1)					Source: E410237-07		Prepared: 10/22/24 Analyzed: 10/22/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2443039-MSD1)					Source: E410237-07		Prepared: 10/22/24 Analyzed: 10/22/24		
Chloride	253	20.0	250	ND	101	80-120	0.333	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/24 12:45

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT				EPA Program							
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		1D		2D		3D		Standard		CWA		SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E410237		Job Number		0058-0007				5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method												RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502															
Phone: 432-305-6416				Email: jim.raley@devn.com															
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON															
				Incident ID: nRM2014059324															
Collected by: Edyte Konan																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks					
8:00	10.18.24	S	1	PH01	1	0.5'						X							
8:10	10.18.24	S	1	PH01	2	4'						X							
8:20	10.18.24	S	1	PH02	3	0.5'						X							
8:30	10.18.24	S	1	PH02	4	4'						X							
8:40	10.18.24	S	1	PH03	5	0.5'						X							
8:50	10.18.24	S	1	PH03	6	4'						X							
9:00	10.18.24	S	1	PH04	7	0.5'						X							
9:10	10.18.24	S	1	PH04	8	4'						X							
9:20	10.18.24	S	1	PH05	9	0.5'						X							
9:30	10.18.24	S	1	PH05	10	4'						X							

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
		10/21/24	1100			10-21-24	1100	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
		10-21-24	1830			10-21-24	1830	T1 _____ T2 _____ T3 _____	
		10-21-24	2400			10-22-24	7:45	AVG Temp °C 4	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Client: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT				EPA Program						
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E410237 06058-0007					5 day TAT							
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method								RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	State				
Phone: 432-305-6416				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks				
9:40	10.18.24	S	1	PH06	11	0.5'						X						
9:50	10.18.24	S	1	PH06	12	4'						X						
10:00	10.18.24	S	1	PH07	13	0.5'						X						
10:10	10.18.24	S	1	PH07	14	4'						X						
10:20	10.18.24	S	1	PH08	15	0.5'						X						
10:30	10.18.24	S	1	PH08	16	4'						X						
10:40	10.18.24	S	1	PH09	17	0.5'						X						
10:50	10.18.24	S	1	PH09	18	4'						X						
11:00	10.18.24	S	1	PH10	19	0.5'						X						
11:10	10.18.24	S	1	PH10	20	4'						X						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	10/21/24	1100	<i>[Signature]</i>	10.21.24	1100	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
<i>[Signature]</i>	10.21.24	1830	<i>[Signature]</i>	10.21.24	1830	T1 _____ T2 _____ T3 _____
<i>[Signature]</i>	10.21.24	2400	<i>[Signature]</i>	10.22.24	7:45	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 10/22/2024 10:53:31AM

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:	Devon Energy - Carlsbad	Date Received:	10/22/24 07:45	Work Order ID:	E410237
Phone:	(575) 748-0176	Date Logged In:	10/21/24 15:46	Logged In By:	Noe Soto
Email:		Due Date:	10/28/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high volume sample, WOs are E410237-E410238.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

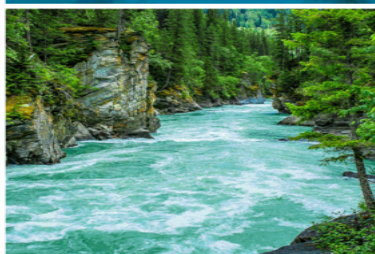
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E410238

Job Number: 01058-0007

Received: 10/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/24/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/24/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E410238
Date Received: 10/22/2024 7:45:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2024 7:45:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/24 11:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH11 0.5'	E410238-01A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH11 4'	E410238-02A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH12 0.5'	E410238-03A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH12 4'	E410238-04A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH13 0.5'	E410238-05A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH13 4'	E410238-06A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH14 0.5'	E410238-07A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH14 4'	E410238-08A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH15 0.5'	E410238-09A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH15 4'	E410238-10A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH16 0.5'	E410238-11A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH16 4'	E410238-12A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH17 0.5'	E410238-13A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.
PH17 4'	E410238-14A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH11 0.5'

E410238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	88.4 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
10/24/2024 11:00:41AM

PH11 4'

E410238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		85.9 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH12 0.5'

E410238-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		90.1 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH12 4'

E410238-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	91.5 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH13 0.5'

E410238-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	82.5 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH13 4'

E410238-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane		73.2 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH14 0.5'

E410238-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/22/24	
Toluene	ND	0.0250	1	10/22/24	10/22/24	
o-Xylene	ND	0.0250	1	10/22/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		10/22/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	87.0 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH14 4'

E410238-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	89.8 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH15 0.5'

E410238-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	89.2 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH15 4'

E410238-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		83.2 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH16 0.5'

E410238-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	89.5 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
10/24/2024 11:00:41AM

PH16 4'

E410238-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2443028
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2443028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		81.3 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2443043
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 10/24/2024 11:00:41AM
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PH17 0.5'

E410238-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.7 %	70-130		10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
Surrogate: n-Nonane	89.3 %	50-200		10/22/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443043	
Chloride	ND	20.0	1	10/22/24	10/22/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
10/24/2024 11:00:41AM

PH17 4'

E410238-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2443028
Benzene	ND	0.0250	1	10/22/24	10/23/24	
Ethylbenzene	ND	0.0250	1	10/22/24	10/23/24	
Toluene	ND	0.0250	1	10/22/24	10/23/24	
o-Xylene	ND	0.0250	1	10/22/24	10/23/24	
p,m-Xylene	ND	0.0500	1	10/22/24	10/23/24	
Total Xylenes	ND	0.0250	1	10/22/24	10/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2443028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/24	10/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	10/22/24	10/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2443030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		83.9 %	50-200	10/22/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2443043
Chloride	ND	20.0	1	10/22/24	10/22/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 11:00:41AM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2443028-BLK1) Prepared: 10/22/24 Analyzed: 10/22/24

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	8.12		8.00		101	70-130			

LCS (2443028-BS1) Prepared: 10/22/24 Analyzed: 10/22/24

Benzene	4.10	0.0250	5.00		81.9	70-130			
Ethylbenzene	3.96	0.0250	5.00		79.2	70-130			
Toluene	4.05	0.0250	5.00		81.0	70-130			
o-Xylene	3.97	0.0250	5.00		79.4	70-130			
p,m-Xylene	8.08	0.0500	10.0		80.8	70-130			
Total Xylenes	12.1	0.0250	15.0		80.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

Matrix Spike (2443028-MS1) Source: E410238-07 Prepared: 10/22/24 Analyzed: 10/23/24

Benzene	5.43	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.33	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			

Matrix Spike Dup (2443028-MSD1) Source: E410238-07 Prepared: 10/22/24 Analyzed: 10/22/24

Benzene	5.21	0.0250	5.00	ND	104	54-133	4.10	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	4.37	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	4.34	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	4.35	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.44	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.41	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 11:00:41AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443028-BLK1) Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			

LCS (2443028-BS2) Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	35.0	20.0	50.0		70.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

Matrix Spike (2443028-MS2) Source: E410238-07 Prepared: 10/22/24 Analyzed: 10/23/24

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

Matrix Spike Dup (2443028-MSD2) Source: E410238-07 Prepared: 10/22/24 Analyzed: 10/22/24

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	6.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 11:00:41AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443030-BLK1) Prepared: 10/22/24 Analyzed: 10/22/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			

LCS (2443030-BS1) Prepared: 10/22/24 Analyzed: 10/22/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			

Matrix Spike (2443030-MS1) Source: E410239-01 Prepared: 10/22/24 Analyzed: 10/22/24

Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike Dup (2443030-MSD1) Source: E410239-01 Prepared: 10/22/24 Analyzed: 10/22/24

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	5.75	20	
Surrogate: n-Nonane	49.1		50.0		98.3	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/2024 11:00:41AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2443043-BLK1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Chloride	ND	20.0							
LCS (2443043-BS1)					Prepared: 10/22/24 Analyzed: 10/22/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2443043-MS1)					Source: E410238-04		Prepared: 10/22/24 Analyzed: 10/22/24		
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2443043-MSD1)					Source: E410238-04		Prepared: 10/22/24 Analyzed: 10/22/24		
Chloride	266	20.0	250	ND	107	80-120	0.517	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	10/24/24 11:00

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- 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: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 410238		0058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks				
11:20	10.18.24	S	1	PH11	1	0.5'						X						
11:30	10.18.24	S	1	PH11	2	4'						X						
11:40	10.18.24	S	1	PH12	3	0.5'						X						
11:50	10.18.24	S	1	PH12	4	4'						X						
12:00	10.18.24	S	1	PH13	5	0.5'						X						
12:10	10.18.24	S	1	PH13	6	4'						X						
12:20	10.18.24	S	1	PH14	7	0.5'						X						
12:30	10.18.24	S	1	PH14	8	4'						X						
12:40	10.18.24	S	1	PH15	9	0.5'						X						
12:50	10.18.24	S	1	PH15	10	4'						X						
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
[Signature]		10/21/24	1100	[Signature]		10-21-24	1100	Received on ice: 0 / N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
[Signature]		10-21-24	1830	[Signature]		10-21-24	1830											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C										
[Signature]		10-21-24	2400	[Signature]		10-22-24	7:45	4										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Client: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT		EPA Program											
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO# E 410238		Job Number 0058-0007		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		Analysis and Method		5 day TAT		RCRA		State		NM CO UT AZ TX							
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220																	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)		TPH GRO/DRO/ORO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		GDOC TX	
Phone: 432-305-6416				Email: jim.raley@devn.com																	
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON																	
Incident ID: nRM2014059324																					
Collected by: Edyte Konan																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks							
13:00	10.18.24	S	1	PH16	11	0.5'						X									
13:10	10.18.24	S	1	PH16	12	4'						X									
13:20	10.18.24	S	1	PH17	13	0.5'						X									
13:30	10.18.24	S	1	PH17	14	4'						X									
10/21/2024																					
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only													
[Signature]		10/21/24	1100	[Signature]		10/21/24	1100	Received on ice: (V) N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
[Signature]		10/21/24	1830	[Signature]		10/21/24	1830														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C													
[Signature]		10/21/24	2400	[Signature]		10/22/24	7:45	4													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Envirotech Analytical Laboratory

Printed: 10/22/2024 10:58:22AM

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:	Devon Energy - Carlsbad	Date Received:	10/22/24 07:45	Work Order ID:	E410238
Phone:	(575) 748-0176	Date Logged In:	10/21/24 15:51	Logged In By:	Noe Soto
Email:		Due Date:	10/28/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high volume sample, WOs are E410237-E410238.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411023

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/8/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E411023
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 08:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0-0.25'	E411023-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS02 0-0.25'	E411023-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS03 0-0.25'	E411023-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS04 0-0.25'	E411023-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS05 0-0.25'	E411023-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS06 0-0.25'	E411023-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS07 0-0.25'	E411023-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS08 0-0.25'	E411023-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS09 0-0.25'	E411023-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS10 0-0.25'	E411023-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS11 0-0.25'	E411023-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS12 0-0.25'	E411023-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS13 0-0.25'	E411023-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS14 0-0.25'	E411023-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS15 0-0.25'	E411023-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS16 0-0.25'	E411023-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS17 0-0.25'	E411023-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS18 0-0.25'	E411023-18A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS19 0-0.25'	E411023-19A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS20 0-0.25'	E411023-20A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS01 0-0.25'

E411023-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/04/24	
Toluene	ND	0.0250	1	11/04/24	11/04/24	
o-Xylene	ND	0.0250	1	11/04/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/04/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	11/04/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	11/04/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	11/04/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	11/04/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	11/04/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS02 0-0.25'

E411023-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/04/24	
Toluene	ND	0.0250	1	11/04/24	11/04/24	
o-Xylene	ND	0.0250	1	11/04/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/04/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		11/04/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/04/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/04/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		11/04/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/04/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	105 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS03 0-0.25'

E411023-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	99.2 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS04 0-0.25'

E411023-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	101 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS05 0-0.25'

E411023-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/04/24	11/05/24	
Surrogate: Toluene-d8		104 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	11/04/24	11/05/24	
Surrogate: Toluene-d8		104 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		100 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS06 0-0.25'

E411023-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	104 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS07 0-0.25'

E411023-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	105 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS08 0-0.25'

E411023-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	101 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS09 0-0.25'
E411023-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	99.1 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS10 0-0.25'
E411023-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	100 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS11 0-0.25'

E411023-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		11/04/24	11/05/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	98.3 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS12 0-0.25'

E411023-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/04/24	11/05/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/05/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/04/24	11/05/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		101 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS13 0-0.25'

E411023-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS14 0-0.25'

E411023-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		94.5 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS15 0-0.25'
E411023-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	96.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	103 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	96.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	103 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	98.8 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS16 0-0.25'
E411023-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	100 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	100 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	99.5 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS17 0-0.25'
E411023-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	100 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS18 0-0.25'

E411023-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	93.6 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:12:17AM

FS19 0-0.25'

E411023-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445012
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445009
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	96.2 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445038
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:12:17AM
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FS20 0-0.25'
E411023-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2445012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445009	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445038	
Chloride	ND	20.0	1	11/05/24	11/05/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:12:17AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2445012-BLK1) Prepared: 11/04/24 Analyzed: 11/04/24

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	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2445012-BS1) Prepared: 11/04/24 Analyzed: 11/04/24

Benzene	2.07	0.0250	2.50		82.6	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.5	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.40	0.0250	2.50		96.0	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.3	70-130			
Total Xylenes	7.22	0.0250	7.50		96.2	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS Dup (2445012-BSD1) Prepared: 11/04/24 Analyzed: 11/04/24

Benzene	2.08	0.0250	2.50		83.2	70-130	0.748	23	
Ethylbenzene	2.38	0.0250	2.50		95.0	70-130	1.57	27	
Toluene	2.29	0.0250	2.50		91.7	70-130	2.36	24	
o-Xylene	2.45	0.0250	2.50		97.9	70-130	1.98	27	
p,m-Xylene	4.88	0.0500	5.00		97.6	70-130	1.37	27	
Total Xylenes	7.33	0.0250	7.50		97.7	70-130	1.57	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:12:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445012-BLK1)

Prepared: 11/04/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2445012-BS2)

Prepared: 11/04/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS Dup (2445012-BSD2)

Prepared: 11/04/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130	6.84	20	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:12:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445009-BLK1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	50-200			

LCS (2445009-BS1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS Dup (2445009-BSD1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	1.85	20	
Surrogate: n-Nonane	52.6		50.0		105	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:12:17AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2445038-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445038-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2445038-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	258	20.0	250		103	90-110	0.290	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 08:12

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- 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: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		F411023		0658-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method								RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number									Remarks				
9:00	10.31.24	S	1	FS01	1	0-0.25'						X						
9:05	10.31.24	S	1	FS02	2	0-0.25'						X						
9:10	10.31.24	S	1	FS03	3	0-0.25'						X						
9:15	10.31.24	S	1	FS04	4	0-0.25'						X						
9:20	10.31.24	S	1	FS05	5	0-0.25'						X						
9:25	10.31.24	S	1	FS06	6	0-0.25'						X						
9:30	10.31.24	S	1	FS07	7	0-0.25'						X						
9:35	10.31.24	S	1	FS08	8	0-0.25'						X						
9:40	10.31.24	S	1	FS09	9	0-0.25'						X						
9:45	10.31.24	S	1	FS10	10	0-0.25'						X						
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <i>[Signature]</i> Date: 10/31/24 Time: 21:30										Received on ice: <i>[Signature]</i> N								
Relinquished by: (Signature) <i>Michelle Gonzales</i> Date: 11-1-24 Time: 1725										T1 T2 T3								
Relinquished by: (Signature) <i>[Signature]</i> Date: 11-1-24 Time: 2400										AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Client: Devon Energy Production Co LP		Bill To		Lab Use Only		TAT		EPA Program					
Project: COCHITI 28 FEDERAL #001		Attention: Jim Raley		Lab WO# E 411023		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Erick Herrera		Address: 5315 Buena Vista Dr.									5 day TAT		
Address: 13000 W County Rd 100		City, State, Zip: Carlsbad, NM, 88220											RCRA
City, State, Zip: Odessa, TX, 79765		Phone: 575-885-7502											
Phone: 432-305-6416		Email: jim.raley@dvn.com											
Email: Devon-team@etechnv.com		WO: 1061476201 – NM PERMIAN ABANDON											
		Incident ID: nRM2014059324											

Collected by: Edyte Konan

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
9:50	10.31.24	S	1	FS11	11	0-0.25'						X		
9:55	10.31.24	S	1	FS12	12	0-0.25'						X		
10:00	10.31.24	S	1	FS13	13	0-0.25'						X		
10:05	10.31.24	S	1	FS14	14	0-0.25'						X		
10:10	10.31.24	S	1	FS15	15	0-0.25'						X		
10:15	10.31.24	S	1	FS16	16	0-0.25'						X		
10:20	10.31.24	S	1	FS17	17	0-0.25'						X		
10:25	10.31.24	S	1	FS18	18	0-0.25'						X		
10:30	10.31.24	S	1	FS19	19	0-0.25'						X		
10:35	10.31.24	S	1	FS20	20	0-0.25'						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: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 10/31/24	Time 21:30	Received by: (Signature) <i>Michelle Gonzales</i>	Date 10-31-24	Time 2130	Lab Use Only Received on ice: Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 11-1-24	Time 1725	Received by: (Signature) <i>[Signature]</i>	Date 11-1-24	Time 1730	
Relinquished by: (Signature) <i>[Signature]</i>	Date 11-1-24	Time 2400	Received by: (Signature) <i>Noe Soto</i>	Date 11-4-24	Time 0730	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


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Envirotech Analytical Laboratory

Printed: 11/4/2024 9:26:27AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411023
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:05	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411024

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/11/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/11/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E411024
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/24 12:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21 0-0.25'	E411024-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS22 0-0.25'	E411024-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS23 0-0.25'	E411024-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS24 0-0.25'	E411024-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS25 0-0.25'	E411024-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS26 0-0.25'	E411024-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS27 0-0.25'	E411024-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS28 0-0.25'	E411024-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS29 0-0.25'	E411024-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS30 0-0.25'	E411024-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS31 0-0.25'	E411024-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS32 0-0.25'	E411024-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS33 0-0.25'	E411024-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS34 0-0.25'	E411024-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS35 0-0.25'	E411024-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS36 0-0.25'	E411024-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS37 0-0.25'	E411024-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS38 0-0.25'	E411024-18A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS39 0-0.25'	E411024-19A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS40 0-0.25'	E411024-20A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/11/2024 12:56:04PM

FS21 0-0.25'

E411024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	11/04/24	11/06/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	11/04/24	11/06/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	11/04/24	11/06/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	11/04/24	11/06/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>		93.1 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445039
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS22 0-0.25'
E411024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	106 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	88.1 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/11/2024 12:56:04PM

FS23 0-0.25'

E411024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	88.9 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445039
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS24 0-0.25'
E411024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	88.7 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS25 0-0.25'
E411024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	93.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS26 0-0.25'
E411024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	90.0 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS27 0-0.25'
E411024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	90.8 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS28 0-0.25'
E411024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	92.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS29 0-0.25'
E411024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	102 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	102 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	89.2 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS30 0-0.25'
E411024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	88.9 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS31 0-0.25'
E411024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	103 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	103 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	84.2 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445039
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS32 0-0.25'
E411024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	91.5 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS33 0-0.25'
E411024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	91.9 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS34 0-0.25'
E411024-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	85.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	21.3	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS35 0-0.25'
E411024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	107 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	90.7 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/11/2024 12:56:04PM

FS36 0-0.25'

E411024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	90.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	90.9 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	90.7 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445039
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS37 0-0.25'
E411024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	105 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	89.4 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS38 0-0.25'
E411024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	90.5 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/11/2024 12:56:04PM
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FS39 0-0.25'
E411024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	104 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445018	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	88.9 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445039	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/11/2024 12:56:04PM

FS40 0-0.25'

E411024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445013
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445018
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		87.6 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445039
Chloride	ND	20.0	1	11/05/24	11/05/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/11/2024 12:56:04PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2445013-BLK1) Prepared: 11/04/24 Analyzed: 11/05/24

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	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2445013-BS1) Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	2.29	0.0250	2.50		91.7	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.18	0.0500	5.00		104	70-130			
Total Xylenes	7.75	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2445013-BSD1) Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	2.69	0.0250	2.50		107	70-130	15.8	23	
Ethylbenzene	2.91	0.0250	2.50		116	70-130	14.2	27	
Toluene	2.83	0.0250	2.50		113	70-130	14.2	24	
o-Xylene	3.02	0.0250	2.50		121	70-130	16.2	27	
p,m-Xylene	6.09	0.0500	5.00		122	70-130	16.2	27	
Total Xylenes	9.11	0.0250	7.50		121	70-130	16.2	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/11/2024 12:56:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2445013-BLK1) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2445013-BS2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS Dup (2445013-BSD2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	63.7	20.0	50.0		127	70-130	8.48	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/11/2024 12:56:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445018-BLK1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.5		50.0		87.1	50-200			

LCS (2445018-BS1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	236	25.0	250		94.5	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

LCS Dup (2445018-BSD1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	38-132	1.17	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/11/2024 12:56:04PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2445039-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445039-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2445039-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	253	20.0	250		101	90-110	0.158	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/11/24 12:56

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- 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: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program		
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411024		0058-0007					5 day TAT			
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502											State	
Phone: 432-305-6416				Email: jim.raley@dev.com												
Email: Devon-team@etechnv.com				WO: 1061476201 – NM PERMIAN ABANDON												
				Incident ID: nRM2014059324												
Collected by: Edyte Konan																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks		
10:40	10.31.24	S	1	FS21	1	0-0.25'						X				
10:45	10.31.24	S	1	FS22	2	0-0.25'						X				
10:50	10.31.24	S	1	FS23	3	0-0.25'						X				
10:55	10.31.24	S	1	FS24	4	0-0.25'						X				
11:00	10.31.24	S	1	FS25	5	0-0.25'						X				
11:05	10.31.24	S	1	FS26	6	0-0.25'						X				
11:10	10.31.24	S	1	FS27	7	0-0.25'						X				
11:15	10.31.24	S	1	FS28	8	0-0.25'						X				
11:20	10.31.24	S	1	FS29	9	0-0.25'						X				
11:25	10.31.24	S	1	FS30	10	0-0.25'						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: EX

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	10/31/24	21:30	<u>Michelle Gonzales</u>	10/31/24	21:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Michelle Gonzales</u>	11-1-24	17:25	<u>[Signature]</u>	11-1-24	17:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	11-1-24	24:00	<u>Noe Soto</u>	11-4-24	07:30	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


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Client: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 411024		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number										Remarks			
11:30	10.31.24	S	1	FS31	11	0-0.25'							X					
11:35	10.31.24	S	1	FS32	12	0-0.25'							X					
11:40	10.31.24	S	1	FS33	13	0-0.25'							X					
11:45	10.31.24	S	1	FS34	14	0-0.25'							X					
11:50	10.31.24	S	1	FS35	15	0-0.25'							X					
11:55	10.31.24	S	1	FS36	16	0-0.25'							X					
12:00	10.31.24	S	1	FS37	17	0-0.25'							X					
12:05	10.31.24	S	1	FS38	18	0-0.25'							X					
12:10	10.31.24	S	1	FS39	19	0-0.25'							X					
12:15	10.31.24	S	1	FS40	20	0-0.25'							X					
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by: EK																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Michelle Gonzales		10/31/24	21:30	Michelle Gonzales		10-31-24	2130	Received on ice: <input checked="" type="radio"/> Y / N										
Michelle Gonzales		11-1-24	1725	John M.		11-1-24	1730	T1 T2 T3										
John M.		11-1-24	2400	Noe Soto		11-4-24	0730	AVG Temp °C 41										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Envirotech Analytical Laboratory

Printed: 11/4/2024 9:39:25AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411024
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:15	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411025

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/8/24

Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Cochiti 28 Federal #001
Workorder: E411025
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 08:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS41 0-0.25'	E411025-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS42 0-0.25'	E411025-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS43 0-0.25'	E411025-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS44 0-0.25'	E411025-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS45 0-0.25'	E411025-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS46 0-0.25'	E411025-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS47 0-0.25'	E411025-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS48 0-0.25'	E411025-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS49 0-0.25'	E411025-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS50 0-0.25'	E411025-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS51 0-0.25'	E411025-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS52 0-0.25'	E411025-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS53 0-0.25'	E411025-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS54 0-0.25'	E411025-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS55 0-0.25'	E411025-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS56 0-0.25'	E411025-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS57 0-0.25'	E411025-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS58 0-0.25'	E411025-18A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS59 0-0.25'	E411025-19A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS60 0-0.25'	E411025-20A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS41 0-0.25'

E411025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>99.8 %</i>	<i>70-130</i>		<i>11/04/24</i>	<i>11/05/24</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>88.8 %</i>	<i>70-130</i>		<i>11/04/24</i>	<i>11/05/24</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	<i>101 %</i>	<i>50-200</i>		<i>11/04/24</i>	<i>11/06/24</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS42 0-0.25'

E411025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.4 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	96.4 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS43 0-0.25'

E411025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445040
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS44 0-0.25'

E411025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	91.9 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS45 0-0.25'

E411025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.2 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	99.8 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS46 0-0.25'

E411025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	99.1 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS47 0-0.25'

E411025-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.1 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	96.1 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS48 0-0.25'

E411025-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.8 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	82.5	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS49 0-0.25'

E411025-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	97.6 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445040
Chloride	90.6	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:16:03AM
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FS50 0-0.25'
E411025-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.1 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	91.4 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS51 0-0.25'

E411025-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>		99.2 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS52 0-0.25'

E411025-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2445014
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445040
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS53 0-0.25'

E411025-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.1 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		97.7 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 8:16:03AM
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FS54 0-0.25'
E411025-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	98.4 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS55 0-0.25'

E411025-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	98.2 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS56 0-0.25'

E411025-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.5 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		99.7 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS57 0-0.25'

E411025-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS58 0-0.25'

E411025-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS59 0-0.25'

E411025-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>		95.5 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 8:16:03AM

FS60 0-0.25'

E411025-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445014	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445019	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	102 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445040	
Chloride	ND	20.0	1	11/05/24	11/05/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:16:03AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2445014-BLK1)

Prepared: 11/04/24 Analyzed: 11/05/24

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 (2445014-BS1)

Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	4.22	0.0250	5.00		84.4	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.33	0.0250	5.00		86.5	70-130			
o-Xylene	4.33	0.0250	5.00		86.6	70-130			
p,m-Xylene	8.81	0.0500	10.0		88.1	70-130			
Total Xylenes	13.1	0.0250	15.0		87.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

LCS Dup (2445014-BSD1)

Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	4.88	0.0250	5.00		97.6	70-130	14.5	20	
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130	14.4	20	
Toluene	5.00	0.0250	5.00		100	70-130	14.4	20	
o-Xylene	5.01	0.0250	5.00		100	70-130	14.5	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	14.2	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	14.3	20	
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:16:03AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445014-BLK1) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

LCS (2445014-BS2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

LCS Dup (2445014-BSD2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130	0.678	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:16:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445019-BLK1) Prepared: 11/04/24 Analyzed: 11/06/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			

LCS (2445019-BS1) Prepared: 11/04/24 Analyzed: 11/06/24

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			

LCS Dup (2445019-BSD1) Prepared: 11/04/24 Analyzed: 11/06/24

Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132	1.34	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 8:16:03AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2445040-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445040-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2445040-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	251	20.0	250		100	90-110	0.117	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 08:16

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- 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: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program		
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411025		01058-0007					5 day TAT			
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502												
Phone: 432-305-6416				Email: jim.raley@dm.com												
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON												
				Incident ID: nRM2014059324												
Collected by: Edyte Konan																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	GDOC TX	Remarks		
12:20	10.31.24	S	1	FS41	1	0-0.25'						X				
12:25	10.31.24	S	1	FS42	2	0-0.25'						X				
12:30	10.31.24	S	1	FS43	3	0-0.25'						X				
12:35	10.31.24	S	1	FS44	4	0-0.25'						X				
12:40	10.31.24	S	1	FS45	5	0-0.25'						X				
12:45	10.31.24	S	1	FS46	6	0-0.25'						X				
12:50	10.31.24	S	1	FS47	7	0-0.25'						X				
12:55	10.31.24	S	1	FS48	8	0-0.25'						X				
13:00	10.31.24	S	1	FS49	9	0-0.25'						X				
13:05	10.31.24	S	1	FS50	10	0-0.25'						X				
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
[Signature]		10/31/24	2130	Michelle Gonzales		10/31/24	2130									
Michelle Gonzales		11-1-24	1725	[Signature]		11-1-24	1730									
[Signature]		11-1-24	2400	Noe Soto		11-4-24	0730									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



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Client: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411025		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 – NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number										Remarks			
13:10	10.31.24	S	1	FS51	11	0-0.25'							X					
13:15	10.31.24	S	1	FS52	12	0-0.25'							X					
13:20	10.31.24	S	1	FS53	13	0-0.25'							X					
13:25	10.31.24	S	1	FS54	14	0-0.25'							X					
13:30	10.31.24	S	1	FS55	15	0-0.25'							X					
13:35	10.31.24	S	1	FS56	16	0-0.25'							X					
13:40	10.31.24	S	1	FS57	17	0-0.25'							X					
13:45	10.31.24	S	1	FS58	18	0-0.25'							X					
13:50	10.31.24	S	1	FS59	19	0-0.25'							X					
13:55	10.31.24	S	1	FS60	20	0-0.25'							X					
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by: EK																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<i>[Signature]</i>		10/31/24	2130	<i>Michelle Gonzales</i>		10/31/24	2130	Received on ice: (Y) / N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
<i>Michelle Gonzales</i>		11.1.24	1725	<i>[Signature]</i>		11.1.24	1730											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C										
<i>[Signature]</i>		11.1.24	2400	<i>Noe Soto</i>		11-4-24	0730	4										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Envirotech Analytical Laboratory

Printed: 11/4/2024 9:55:20AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411025
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:16	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411026

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/8/24

Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Cochiti 28 Federal #001
Workorder: E411026
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/08/24 17:13
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS61 0-0.25'	E411026-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS62 0-0.25'	E411026-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS63 0-0.25'	E411026-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS64 0-0.25'	E411026-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS65 0-0.25'	E411026-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS66 0-0.25'	E411026-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS67 0-0.25'	E411026-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS68 0-0.25'	E411026-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS69 0-0.25'	E411026-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS70 0-0.25'	E411026-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS71 0-0.25'	E411026-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS72 0-0.25'	E411026-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS73 0-0.25'	E411026-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS74 0-0.25'	E411026-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS75 0-0.25'	E411026-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS76 0-0.25'	E411026-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS77 0-0.25'	E411026-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS78 0-0.25'	E411026-18A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS79 0-0.25'	E411026-19A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS80 0-0.25'	E411026-20A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:13:11PM

FS61 0-0.25'

E411026-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.6 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS62 0-0.25'
E411026-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	96.3 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS63 0-0.25'
E411026-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	94.4 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:13:11PM

FS64 0-0.25'

E411026-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445041
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS65 0-0.25'
E411026-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	98.3 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:13:11PM

FS66 0-0.25'

E411026-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445041
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS67 0-0.25'
E411026-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	98.0 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS68 0-0.25'
E411026-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	88.2 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	94.2 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS69 0-0.25'
E411026-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	101 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS70 0-0.25'
E411026-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	97.0 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:13:11PM

FS71 0-0.25'

E411026-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS72 0-0.25'
E411026-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	98.4 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS73 0-0.25'
E411026-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS74 0-0.25'
E411026-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	90.4 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	93.7 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS75 0-0.25'
E411026-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	96.8 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:13:11PM

FS76 0-0.25'

E411026-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445041
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS77 0-0.25'
E411026-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	99.8 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS78 0-0.25'
E411026-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	95.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS79 0-0.25'
E411026-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	95.6 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:13:11PM
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FS80 0-0.25'
E411026-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445027	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	98.2 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445041	
Chloride	ND	20.0	1	11/05/24	11/06/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:13:11PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2445015-BLK1)

Prepared: 11/04/24 Analyzed: 11/06/24

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	7.12		8.00		89.0	70-130			

LCS (2445015-BS1)

Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	4.39	0.0250	5.00		87.9	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.3	70-130			
Toluene	4.53	0.0250	5.00		90.5	70-130			
o-Xylene	4.55	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.18	0.0500	10.0		91.8	70-130			
Total Xylenes	13.7	0.0250	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

LCS Dup (2445015-BSD1)

Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	4.30	0.0250	5.00		86.0	70-130	2.18	20	
Ethylbenzene	4.43	0.0250	5.00		88.5	70-130	1.98	20	
Toluene	4.44	0.0250	5.00		88.8	70-130	1.87	20	
o-Xylene	4.49	0.0250	5.00		89.7	70-130	1.49	20	
p,m-Xylene	9.01	0.0500	10.0		90.1	70-130	1.87	20	
Total Xylenes	13.5	0.0250	15.0		90.0	70-130	1.75	20	
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:13:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445015-BLK1) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

LCS (2445015-BS2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	40.1	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS Dup (2445015-BSD2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0		76.6	70-130	4.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:13:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445027-BLK1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			

LCS (2445027-BS1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS Dup (2445027-BSD1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132	0.274	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:13:11PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2445041-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445041-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2445041-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	257	20.0	250		103	90-110	0.331	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 17:13

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 7 of 12

Client: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411026		0058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method								RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan														Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
14:00	10.31.24	S	1	FS61	1	0-0.25'							X					
14:05	10.31.24	S	1	FS62	2	0-0.25'							X					
14:10	10.31.24	S	1	FS63	3	0-0.25'							X					
14:15	10.31.24	S	1	FS64	4	0-0.25'							X					
14:20	10.31.24	S	1	FS65	5	0-0.25'							X					
14:25	10.31.24	S	1	FS66	6	0-0.25'							X					
14:30	10.31.24	S	1	FS67	7	0-0.25'							X					
14:35	10.31.24	S	1	FS68	8	0-0.25'							X					
14:40	10.31.24	S	1	FS69	9	0-0.25'							X					
14:45	10.31.24	S	1	FS70	10	0-0.25'							X					
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only						
<i>[Signature]</i>		10/31/24		21:30		<i>Michelle Gonzales</i>		10-31-24		2130		Received on ice: 0 / N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3						
<i>Michelle Gonzales</i>		11-1-24		1725		<i>[Signature]</i>		11-1-24		1730								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C						
<i>[Signature]</i>		11-1-24		2400		<i>Noc Sab</i>		11-4-24		0730		4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Project Information

Chain of Custody

Page 8 of 12

Client: Devon Energy Production Co LP				Bill To				Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.				E411026		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dmv.com												NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON																
Incident ID: nRM2014059324																				
Collected by: Edyte Konan																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
14:50	10.31.24	S	1	FS71	11	0-0.25'								X						
14:55	10.31.24	S	1	FS72	12	0-0.25'								X						
15:00	10.31.24	S	1	FS73	13	0-0.25'								X						
15:05	10.31.24	S	1	FS74	14	0-0.25'								X						
15:10	10.31.24	S	1	FS75	15	0-0.25'								X						
15:15	10.31.24	S	1	FS76	16	0-0.25'								X						
15:20	10.31.24	S	1	FS77	17	0-0.25'								X						
15:25	10.31.24	S	1	FS78	18	0-0.25'								X						
15:30	10.31.24	S	1	FS79	19	0-0.25'								X						
15:35	10.31.24	S	1	FS80	20	0-0.25'								X						
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Sampled by: / EK																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only												
[Signature]		10/31/24	2:1:30	Michelle Gonzales		10-31-24	2:30	Received on ice: <input checked="" type="checkbox"/> / N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3												
Michelle Gonzales		11-1-24	17:25	[Signature]		11-1-24	17:30													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C												
[Signature]		11-1-24	24:00	[Signature]		11-4-24	07:30	4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

Envirotech Analytical Laboratory

Printed: 11/4/2024 10:05:18AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411026
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:17	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

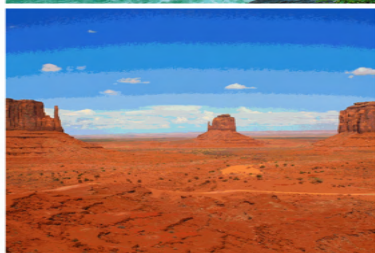
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411027

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/8/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E411027
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 17:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS81 0-0.25'	E411027-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS82 0-0.25'	E411027-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS83 0-0.25'	E411027-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS84 0-0.25'	E411027-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS85 0-0.25'	E411027-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS86 0-0.25'	E411027-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS87 0-0.25'	E411027-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS88 0-0.25'	E411027-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS89 0-0.25'	E411027-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS90 0-0.25'	E411027-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS91 0-0.25'	E411027-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS92 0-0.25'	E411027-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS93 0-0.25'	E411027-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS94 0-0.25'	E411027-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS95 0-0.25'	E411027-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS96 0-0.25'	E411027-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS97 0-0.25'	E411027-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS98 0-0.25'	E411027-18A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS99 0-0.25'	E411027-19A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS100 0-0.25'	E411027-20A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported: 11/8/2024 5:01:34PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

FS81 0-0.25'

E411027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	99.9 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS82 0-0.25'

E411027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445028
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		94.6 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445046
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS83 0-0.25'

E411027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.9 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445028
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		95.4 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445046
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS84 0-0.25'

E411027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445028
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		96.8 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445046
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS85 0-0.25'

E411027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.9 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS86 0-0.25'

E411027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.5 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS87 0-0.25'
E411027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	98.7 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS88 0-0.25'
E411027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	98.0 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS89 0-0.25'
E411027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	95.9 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS90 0-0.25'
E411027-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	98.5 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS91 0-0.25'
E411027-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	32.1	25.0	1	11/04/24	11/06/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	97.1 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS92 0-0.25'
E411027-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	99.0 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS93 0-0.25'

E411027-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>	102 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS94 0-0.25'

E411027-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS95 0-0.25'

E411027-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445028
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445046
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 5:01:34PM

FS96 0-0.25'

E411027-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2445016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445028
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2445046
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS97 0-0.25'
E411027-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.5 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	104 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS98 0-0.25'
E411027-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.7 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	103 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS99 0-0.25'
E411027-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	93.4 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 5:01:34PM
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FS100 0-0.25'
E411027-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2445016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445028	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane	95.2 %	50-200		11/04/24	11/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2445046	
Chloride	ND	20.0	1	11/05/24	11/06/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:01:34PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2445016-BLK1) Prepared: 11/04/24 Analyzed: 11/06/24

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	8.01		8.00		100	70-130			

LCS (2445016-BS1) Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	4.51	0.0250	5.00		90.3	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.71	0.0250	5.00		94.2	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

LCS Dup (2445016-BSD1) Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	5.03	0.0250	5.00		101	70-130	10.9	20	
Ethylbenzene	5.23	0.0250	5.00		105	70-130	11.1	20	
Toluene	5.23	0.0250	5.00		105	70-130	11.1	20	
o-Xylene	5.28	0.0250	5.00		106	70-130	11.4	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	11.1	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	11.2	20	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:01:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445016-BLK1) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

LCS (2445016-BS2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

LCS Dup (2445016-BSD2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	3.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:01:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445028-BLK1)					Prepared: 11/04/24 Analyzed: 11/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			

LCS (2445028-BS1)					Prepared: 11/04/24 Analyzed: 11/06/24				
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS Dup (2445028-BSD1)					Prepared: 11/04/24 Analyzed: 11/06/24				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132	0.958	20	
Surrogate: n-Nonane	51.4		50.0		103	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 5:01:34PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2445046-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445046-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2445046-BSD1)					Prepared: 11/05/24 Analyzed: 11/06/24				
Chloride	249	20.0	250		99.5	90-110	0.780	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 17:01

- T16 The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Page 9 of 12

Client: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT				EPA Program		
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411027		01058-0007							5 day TAT			
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
15:40	10.31.24	S	1	FS81	1	0-0.25'								X				
15:45	10.31.24	S	1	FS82	2	0-0.25'								X				
15:50	10.31.24	S	1	FS83	3	0-0.25'								X				
15:55	10.31.24	S	1	FS84	4	0-0.25'								X				
16:00	10.31.24	S	1	FS85	5	0-0.25'								X				
16:05	10.31.24	S	1	FS86	6	0-0.25'								X				
16:10	10.31.24	S	1	FS87	7	0-0.25'								X				
16:15	10.31.24	S	1	FS88	8	0-0.25'								X				
16:20	10.31.24	S	1	FS89	9	0-0.25'								X				
16:25	10.31.24	S	1	FS90	10	0-0.25'								X				
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Sampled by: EK																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only						
<i>[Signature]</i>		10/31/24		21:30		<i>Michelle Gonzales</i>		10/31/24		2130		Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1						
<i>Michelle Gonzales</i>		11-1-24		1725		<i>[Signature]</i>		11-1-24		1730		T2						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3						
<i>[Signature]</i>		11-1-24		2400		<i>Noe Soto</i>		11-4-24		0730		AVG Temp °C 4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		


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Client: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT			EPA Program			
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 411027		01058-0007							5 day TAT			
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks		
16:30	10.31.24	S	1	FS91	11	0-0.25'								X				
16:35	10.31.24	S	1	FS92	12	0-0.25'								X				
16:40	10.31.24	S	1	FS93	13	0-0.25'								X				
16:45	10.31.24	S	1	FS94	14	0-0.25'								X				
16:50	10.31.24	S	1	FS95	15	0-0.25'								X				
16:55	10.31.24	S	1	FS96	16	0-0.25'								X				
17:00	10.31.24	S	1	FS97	17	0-0.25'								X				
17:05	10.31.24	S	1	FS98	18	0-0.25'								X				
17:10	10.31.24	S	1	FS99	19	0-0.25'								X				
17:15	10.31.24	S	1	FS100	20	0-0.25'								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: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N
<i>[Signature]</i>	10/31/24	21:30	<i>Michelle Gonzales</i>	10/31/24	21:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	11-1-24	17:25	<i>John H.</i>	11-1-24	17:30	T1
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T2
<i>John H.</i>	11-1-24	24:00	<i>Noe Soto</i>	11-4-24	07:30	T3
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C
						4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Envirotech Analytical Laboratory

Printed: 11/4/2024 10:11:02AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411027
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:17	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411028

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/8/24



Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cochiti 28 Federal #001
Workorder: E411028
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported: 11/08/24 13:26
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS101 0-0.25'	E411028-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS102 0-0.25'	E411028-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS103 0-0.25'	E411028-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS104 0-0.25'	E411028-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS105 0-0.25'	E411028-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS106 0-0.25'	E411028-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS107 0-0.25'	E411028-07A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS108 0-0.25'	E411028-08A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS109 0-0.25'	E411028-09A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS110 0-0.25'	E411028-10A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS111 0-0.25'	E411028-11A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS112 0-0.25'	E411028-12A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS113 0-0.25'	E411028-13A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS114 0-0.25'	E411028-14A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS115 0-0.25'	E411028-15A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS116 0-0.25'	E411028-16A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
FS117 0-0.25'	E411028-17A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS101 0-0.25'

E411028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	11/04/24	11/06/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	11/04/24	11/06/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	11/04/24	11/06/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	11/04/24	11/06/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>		84.5 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS102 0-0.25'
E411028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	109 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	108 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene	109 %	70-130		11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/04/24	11/06/24	
Surrogate: Toluene-d8	108 %	70-130		11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	79.1 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported: 11/8/2024 1:26:00PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

FS103 0-0.25'
E411028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		106 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		106 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		87.1 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS104 0-0.25'

E411028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		111 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		111 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		105 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		87.0 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS105 0-0.25'
E411028-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		88.5 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS106 0-0.25'
E411028-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		110 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		110 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		89.4 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS107 0-0.25'
E411028-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		89.3 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS108 0-0.25'

E411028-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		114 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		114 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane		85.6 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS109 0-0.25'

E411028-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		89.1 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS110 0-0.25'
E411028-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		86.4 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS111 0-0.25'

E411028-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		86.1 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS112 0-0.25'

E411028-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		92.3 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS113 0-0.25'
E411028-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		84.8 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/8/2024 1:26:00PM
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FS114 0-0.25'
E411028-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2445017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		112 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		109 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445030	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		83.4 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445048	
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS115 0-0.25'

E411028-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		85.6 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS116 0-0.25'

E411028-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		110 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		108 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		85.9 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/8/2024 1:26:00PM

FS117 0-0.25'

E411028-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Benzene	ND	0.0250	1	11/04/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/06/24	
Toluene	ND	0.0250	1	11/04/24	11/06/24	
o-Xylene	ND	0.0250	1	11/04/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		111 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2445017
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/06/24	
Surrogate: Bromofluorobenzene		111 %	70-130	11/04/24	11/06/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	11/04/24	11/06/24	
Surrogate: Toluene-d8		107 %	70-130	11/04/24	11/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2445030
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/06/24	
Surrogate: n-Nonane		86.3 %	50-200	11/04/24	11/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2445048
Chloride	ND	20.0	1	11/05/24	11/06/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 1:26:00PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445017-BLK1)

Prepared: 11/04/24 Analyzed: 11/06/24

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	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2445017-BS1)

Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	2.51	0.0250	2.50		101	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.81	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2445017-BSD1)

Prepared: 11/04/24 Analyzed: 11/06/24

Benzene	2.50	0.0250	2.50		99.9	70-130	0.639	23	
Ethylbenzene	2.51	0.0250	2.50		101	70-130	0.318	27	
Toluene	2.55	0.0250	2.50		102	70-130	1.15	24	
o-Xylene	2.59	0.0250	2.50		103	70-130	0.904	27	
p,m-Xylene	5.13	0.0500	5.00		103	70-130	1.28	27	
Total Xylenes	7.72	0.0250	7.50		103	70-130	1.15	27	
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 1:26:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445017-BLK1) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2445017-BS2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

LCS Dup (2445017-BSD2) Prepared: 11/04/24 Analyzed: 11/06/24

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.8	70-130	1.64	20	
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 1:26:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445030-BLK1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.8		50.0		81.5	50-200			

LCS (2445030-BS1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: n-Nonane	47.9		50.0		95.7	50-200			

LCS Dup (2445030-BSD1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132	2.86	20	
Surrogate: n-Nonane	44.8		50.0		89.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/8/2024 1:26:00PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2445048-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445048-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2445048-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	255	20.0	250		102	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/08/24 13:26

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT			EPA Program					
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411028		01038-0007							5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method												RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State						
Phone: 432-305-6416				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX		
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON																
				Incident ID: nRM2014059324																
Collected by: Edyte Konan																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks			
17:20	10.31.24	S	1	FS101	1	0-0.25'							X							
17:25	10.31.24	S	1	FS102	2	0-0.25'							X							
17:30	10.31.24	S	1	FS103	3	0-0.25'							X							
17:35	10.31.24	S	1	FS104	4	0-0.25'							X							
17:40	10.31.24	S	1	FS105	5	0-0.25'							X							
17:45	10.31.24	S	1	FS106	6	0-0.25'							X							
17:50	10.31.24	S	1	FS107	7	0-0.25'							X							
17:55	10.31.24	S	1	FS108	8	0-0.25'							X							
18:00	10.31.24	S	1	FS109	9	0-0.25'							X							
18:05	10.31.24	S	1	FS110	10	0-0.25'							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: EK																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
<i>[Signature]</i>		10/31/24		20:30		<i>Michelle Gonzales</i>		10/31/24		2130		Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
<i>Michelle Gonzales</i>		11-1-24		1725		<i>[Signature]</i>		11-1-24		1730										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C								
<i>[Signature]</i>		11-1-24		2400		<i>Noe Soto</i>		11-4-24		0730		4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



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Client: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program				
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E411028		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6416				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON														
Incident ID: nRM2014059324																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number									Remarks				
18:10	10.31.24	S	1	FS111	11	0-0.25'						X						
18:15	10.31.24	S	1	FS112	12	0-0.25'						X						
18:20	10.31.24	S	1	FS113	13	0-0.25'						X						
18:25	10.31.24	S	1	FS114	14	0-0.25'						X						
18:30	10.31.24	S	1	FS115	15	0-0.25'						X						
18:35	10.31.24	S	1	FS116	16	0-0.25'						X						
18:40	10.31.24	S	1	FS117	17	0-0.25'						X						
10/31/2024																		
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: EK																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only						
<i>[Signature]</i>		10/31/24		21:30		<i>Michelle Gonzales</i>		10-31-24		2130		Received on ice: (Y) N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3						
<i>Michelle Gonzales</i>		11-1-24		1725		<i>[Signature]</i>		11-1-24		1730								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C						
<i>[Signature]</i>		11-1-24		2400		<i>Noe Sato</i>		11-4-24		0730		4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Envirotech Analytical Laboratory

Printed: 11/4/2024 10:15:01AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411028
Phone:	(575) 748-0176	Date Logged In:	11/04/24 09:18	Logged In By:	Noe Soto
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Cochiti 28 Federal #001 has been separated into multiple WOs due to high sample volume, WOs are E411023 - E411028.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cochiti 28 Federal #001

Work Order: E411022

Job Number: 01058-0007

Received: 11/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/7/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/7/24

Erick Herrera
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Cochiti 28 Federal #001
Workorder: E411022
Date Received: 11/4/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2024 7:30:00AM, under the Project Name: Cochiti 28 Federal #001.

The analytical test results summarized in this report with the Project Name: Cochiti 28 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/07/24 08:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E411022-01A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
SW02 0-0.25'	E411022-02A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
SW03 0-0.25'	E411022-03A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
SW04 0-0.25'	E411022-04A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
SW05 0-0.25'	E411022-05A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.
SW06 0-0.25'	E411022-06A	Soil	10/31/24	11/04/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/7/2024 8:30:59AM

SW01 0-0.25'

E411022-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/7/2024 8:30:59AM
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SW02 0-0.25'
E411022-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: 4-Bromochlorobenzene-PID	98.8 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/7/2024 8:30:59AM

SW03 0-0.25'

E411022-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cochiti 28 Federal #001
Project Number: 01058-0007
Project Manager: Erick Herrera

Reported:
11/7/2024 8:30:59AM

SW04 0-0.25'

E411022-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/7/2024 8:30:59AM
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SW05 0-0.25'
E411022-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cochiti 28 Federal #001 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 11/7/2024 8:30:59AM
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SW06 0-0.25'
E411022-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Benzene	ND	0.0250	1	11/04/24	11/05/24	
Ethylbenzene	ND	0.0250	1	11/04/24	11/05/24	
Toluene	ND	0.0250	1	11/04/24	11/05/24	
o-Xylene	ND	0.0250	1	11/04/24	11/05/24	
p,m-Xylene	ND	0.0500	1	11/04/24	11/05/24	
Total Xylenes	ND	0.0250	1	11/04/24	11/05/24	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2445011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/24	11/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		11/04/24	11/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2445010	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/24	11/05/24	
Surrogate: n-Nonane	102 %	50-200		11/04/24	11/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445036	
Chloride	ND	20.0	1	11/05/24	11/05/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/7/2024 8:30:59AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2445011-BLK1) Prepared: 11/04/24 Analyzed: 11/05/24

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 (2445011-BS1) Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

LCS Dup (2445011-BSD1) Prepared: 11/04/24 Analyzed: 11/05/24

Benzene	4.65	0.0250	5.00		93.0	70-130	12.5	20	
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130	12.3	20	
Toluene	4.71	0.0250	5.00		94.3	70-130	12.5	20	
o-Xylene	4.72	0.0250	5.00		94.4	70-130	11.8	20	
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130	12.3	20	
Total Xylenes	14.2	0.0250	15.0		95.0	70-130	12.1	20	
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/7/2024 8:30:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445011-BLK1) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

LCS (2445011-BS2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

LCS Dup (2445011-BSD2) Prepared: 11/04/24 Analyzed: 11/05/24

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.5	70-130	3.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/7/2024 8:30:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2445010-BLK1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		96.9	50-200			

LCS (2445010-BS1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

LCS Dup (2445010-BSD1)					Prepared: 11/04/24 Analyzed: 11/05/24				
Diesel Range Organics (C10-C28)	266	25.0	250		107	38-132	2.72	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	11/7/2024 8:30:59AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2445036-BLK1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	ND	20.0							
LCS (2445036-BS1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2445036-BSD1)					Prepared: 11/05/24 Analyzed: 11/05/24				
Chloride	253	20.0	250		101	90-110	0.796	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

Devon Energy - Carlsbad	Project Name:	Cochiti 28 Federal #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	11/07/24 08:30

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- 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: Devon Energy Production Co LP				Bill To		Lab Use Only				TAT				EPA Program	
Project: COCHITI 28 FEDERAL #001				Attention: Jim Raley		Lab WO# E411022		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.									5 day TAT		
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220										RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502											
Phone: 432-305-6416				Email: jim.raley@devn.com											
Email: Devon-team@etechnv.com				WO: 1061476201 - NM PERMIAN ABANDON											
				Incident ID: nRM2014059324											
Collected by: Edyte Konan															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks	
18:45	10.31.24	S	1	FS20	1	0-0.25'						X			
18:50	10.31.24	S	1	SW02	2	0-0.25'						X			
18:55	10.31.24	S	1	SW03	3	0-0.25'						X			
19:00	10.31.24	S	1	SW04	4	0-0.25'						X			
19:05	10.31.24	S	1	SW05	5	0-0.25'						X			
19:10	10.31.24	S	1	SW06	6	0-0.25'						X			
10/31/2024															
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) <i>[Signature]</i> Date 10/31/24 Time 21:30												Received by: (Signature) <i>[Signature]</i> Date 10.31.24 Time 2130			
Relinquished by: (Signature) <i>[Signature]</i> Date 11-1-24 Time 1725												Received by: (Signature) <i>[Signature]</i> Date 11-1-24 Time 1730			
Relinquished by: (Signature) <i>[Signature]</i> Date 11-1-24 Time 2400												Received by: (Signature) <i>[Signature]</i> Date 11-4-24 Time 0730			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



envirotech



Envirotech Analytical Laboratory

Printed: 11/4/2024 11:12:31AM

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:	Devon Energy - Carlsbad	Date Received:	11/04/24 07:30	Work Order ID:	E411022
Phone:	(575) 748-0176	Date Logged In:	11/04/24 08:56	Logged In By:	Caitlin Mars
Email:		Due Date:	11/12/24 17:00 (6 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Sample #1 received not matching the name on COC. Client asked to correct name on COC to match sample container.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

APPENDIX I

NMSLO Sandy Loam Site Seed Mixture

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



NMSLO Seed Mix**Sandy Loam (SL)****SANDY LOAM (SL) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<u>Grasses:</u>			
Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S
<u>Forbs:</u>			
Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D
<u>Shrubs:</u>			
Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F
Total PLS/acre		17.75	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



APPENDIX J

Correspondence & Notifications

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 391847

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 391847
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2014059324
Incident Name	NRM2014059324 COCHITI 28 FEDERAL #001 @ 30-015-30113
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-30113] COCHITI 28 FEDERAL #001

Location of Release Source	
Site Name	COCHITI 28 FEDERAL #001
Date Release Discovered	04/29/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	124,443
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/18/2024
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Resource LN and Vaca LN go SE on Vaca LN FOR 0.15 mi; At the Y, go left FOR 0.46 mi; go SW for 0.07mi to arrive at the Cochiti 28 Federal #001 ROW (32.17201,-103.565901)

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
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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 391847

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 391847
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/11/2024

District I

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

QUESTIONS

Action 396917

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 396917
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2014059324
Incident Name	NRM2014059324 COCHITI 28 FEDERAL #001 @ 30-015-30113
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-30113] COCHITI 28 FEDERAL #001

Location of Release Source	
Site Name	COCHITI 28 FEDERAL #001
Date Release Discovered	04/29/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	124,443
What is the estimated number of samples that will be gathered	116
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/31/2024
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Resource LN and Vaca LN go SE on Vaca LN FOR 0.15 mi; At the Y, go left FOR 0.46 mi; go SW for 0.07mi to arrive at the Cochiti 28 Federal #001 ROW (32.17201,-103.565901)

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State of New Mexico
Energy, Minerals and Natural Resources
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CONDITIONS

Action 396917

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 396917
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/29/2024

Anna Byers

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, October 29, 2024 1:56 PM
To: Anna Byers
Cc: Raley, Jim; Devon-Team; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Variance Approval) - Devon Site - Cochiti 28 Federal #001 Incident Number nRM2014059324

Anna,

The largest variance confirmation floor sample size that the OCD can currently grant is 400 ft². The variance is approved for 400 ft² floor confirmation samples. The release area will still need confirmation sidewall samples representing no more than 200 ft². Please include this e-mail correspondence in the Remediation Closure Report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, October 29, 2024 1:07 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Devon Site Sampling Variance Request - Cochiti 28 Federal #001 Incident Number nRM2014059324

From: Anna Byers <anna@etechenv.com>
Sent: Tuesday, October 29, 2024 12:41 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; eco@nmslo.gov
Cc: Jim.Raley@dv.com; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] Devon Site Sampling Variance Request - Cochiti 28 Federal #001 Incident Number nRM2014059324

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Attached you will find the **Sampling Variance Request** (SVR) and supporting documents for the Cochiti 28 Federal #001 (Site) Incident Number nRM2014059324 for your review in consideration for a soil sampling variance at the Site. Based on laboratory analytical results from delineation soil sampling throughout and surrounding the AOC and the Site proximity from sensitive receptors, Devon Energy requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 1,000 square feet per soil sample collected from the 23,142-square foot Area of Concern (AOC). Seventeen delineation potholes were advanced via mechanical equipment to assess the presence or absence of impacts (**Table I – Laboratory Analytical Results**), according to information provided on the Form C-141 and visual observation. Soil samples were collected from 0.5-foot, 1-foot, 2-foot, and 4-foot below ground surface from every delineation pothole location and field screened for chloride and volatile organic compounds, of which, the soil samples representing the highest observed field screened concentration(s) and the greatest depth were submitted to an accredited laboratory for analysis of BTEX, TPH and chloride. All field screening and laboratory analytical data suggests that residual soil impacts are not present within the top 4 feet below ground surface (**Figure 3 – Delineation Soil Sample Locations**). As such, the requested sampling variance would result in the following:

- 24 confirmation soil samples are anticipated to be collected, compared to the 116 soil samples utilizing a sampling frequency of 200 square feet.
- Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no more than 200 square feet per soil sample.
- Confirmation soil samples will be submitted to an accredited laboratory for approved NMOCD/SLO method analysis of BTEX, TPH and chloride.

Upon receipt of laboratory analytical results of confirmation soil samples, Devon will submit a report detailing the laboratory analytical results and a detailed corrective action plan for remediation, if warranted.

Please let me know if you have any questions or require any additional information.

Thank you,

Anna Byers
Senior Geologist



Work: (432) 305-6415
Cell: (575) 200-6754

Erick Herrera

From: SLO Spills <spills@nmslo.gov>
Sent: Wednesday, October 30, 2024 7:34 AM
To: Anna Byers; OCD.Enviro@emnrd.nm.gov
Cc: Jim.Raley@dmv.com; Devon-Team; Bisbey-Kuehn, Elizabeth A.; Griffin, Becky R.; David, Deon W.
Subject: RE: Devon Site Sampling Variance Request - Cochiti 28 Federal #001 Incident Number nRM2014059324



Some people who received this message don't often get email from spills@nmslo.gov. [Learn why this is important](#)

Anna

ECO will not approve the sampling variance request. This site is located within a biologically sensitive area for lesser prairie chicken occupied range and is near a mapped area for Scheer's beehive cactus.

Thank you,

Environmental Compliance Office

Surface Resources Division

eco@nmslo.gov

nmstatelands.org



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From: Anna Byers <anna@etechnv.com>
Sent: Tuesday, October 29, 2024 12:41 PM
To: OCD.Enviro@emnrd.nm.gov; SLO Spills <spills@nmslo.gov>
Cc: Jim.Raley@dmv.com; Devon-Team <Devon-Team@etechnv.com>
Subject: [EXTERNAL] Devon Site Sampling Variance Request - Cochiti 28 Federal #001 Incident Number nRM2014059324

Good afternoon,

Attached you will find the **Sampling Variance Request** (SVR) and supporting documents for the Cochiti 28 Federal #001 (Site) Incident Number nRM2014059324 for your review in consideration for a soil sampling variance at the Site. Based on laboratory analytical results from delineation soil sampling throughout and surrounding the AOC and the Site proximity from sensitive receptors, Devon Energy requests a sampling variance for 5-point composite confirmation soil samples to represent a maximum of 1,000 square feet per soil sample collected from the 23,142-square foot Area of Concern (AOC). Seventeen delineation potholes were advanced via mechanical equipment to assess the presence or absence of impacts (**Table I – Laboratory Analytical Results**), according to information provided on the Form C-141 and visual observation. Soil samples were collected from 0.5-foot, 1-foot, 2-foot, and

4-foot below ground surface from every delineation pothole location and field screened for chloride and volatile organic compounds, of which, the soil samples representing the highest observed field screened concentration(s) and the greatest depth were submitted to an accredited laboratory for analysis of BTEX, TPH and chloride. All field screening and laboratory analytical data suggests that residual soil impacts are not present within the top 4 feet below ground surface (**Figure 3 – Delineation Soil Sample Locations**). As such, the requested sampling variance would result in the following:

- 24 confirmation soil samples are anticipated to be collected, compared to the 116 soil samples utilizing a sampling frequency of 200 square feet.
- Lateral/edge confirmation soil samples will still be collected at a sampling frequency representing no more than 200 square feet per soil sample.
- Confirmation soil samples will be submitted to an accredited laboratory for approved NMOCD/SLO method analysis of BTEX, TPH and chloride.

Upon receipt of laboratory analytical results of confirmation soil samples, Devon will submit a report detailing the laboratory analytical results and a detailed corrective action plan for remediation, if warranted.

Please let me know if you have any questions or require any additional information.

Thank you,

Anna Byers
Senior Geologist



Work: (432) 305-6415
Cell: (575) 200-6754

APPENDIX K

Archived Reports

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





SAMPLING VARIANCE REQUEST

Prepared For:

Devon Energy Production Company, LP

5315 Buena Vista Dr.

Carlsbad, NM 88220

Site Information:

Cochiti 28 Federal #001

Incident Number nRM2014059324

Unit L, Section 34, Township 24 South, Range 33 East

Lea County, New Mexico

(32.17200, -103.56590)

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SITE BACKGROUND

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Sampling Variance Request (SVR) proposing a decreased sampling frequency for confirmation soil sampling at the Cochiti 28 Federal #001 (Site) (**Figure 1** in **Appendix A**).

On April 29, 2020, a truck driver struck a produced water poly line and caused the release of approximately 206.26 barrels (bbls) of produced water onto an access roadway. A nearby hydrovac was able to begin recovery immediately upon Site arrival and recovered approximately 137.50 bbls of fluid. Devon immediately notified the New Mexico Oil and Gas Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO) via email on April 30, 2020, following the release discovery, and reported the release on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on May 20, 2020, and was subsequently assigned Incident Number nRM2014059324. **Figure 2** in **Appendix A** depicts the estimated release area, hereafter referred to as the Area of Concern (AOC), based on information provided on the Form C-141.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater is estimated to be between 51 and 100 feet bgs based off surrounding wells and/or depth to groundwater borings. The closest soil boring to the Site with recent data was advanced by Enviro-Drill, Inc. and located approximately 0.95-mile east of the Site. Soil boring (C-03603-POD6) was advanced on January 13, 2013, via a truck mounted drill rig equipped with a hollow stem auger to total depth of 75 feet bgs. No fluids were observed throughout the drilling process, and the boring was plugged and abandoned according to the appropriate regulations. The referenced well record is provided in **Appendix B**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and no recent data from groundwater wells and/or borings within 0.5 mile from the Site, the following Closure Criteria will be applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B or EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B or EPA 8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

SAMPLING VARIANCE REQUEST

Due to the extensive extent of the AOC documented in Form C-141 (approximately 23,142 square feet), Devon requests a soil sampling variance of 1,000 square feet per confirmation soil sample. As such, 24 confirmation soil samples are anticipated to be collected from the AOC compared to 116 soil samples following the standard 200 square foot soil sampling frequency (**Figure 2** in **Appendix A**). The sampling frequency for the edge of the AOC will remain at 200 square feet, which equates to 6 soil samples.

Confirmation soil samples will be submitted to an accredited laboratory for analysis of all COCs by the appropriate analytical method. As such, laboratory analytical results will allow assessment for any areas requiring residual impact removal. Devon believes that initial response efforts have mitigated residual impacts at the Site and the confirmation soil samples at the proposed reduced sampling frequency in conjunction with delineation soil sampling data are equally protective of human health, the environment, and groundwater.

Upon receipt of approval of this SVR, confirmation soil sampling will be scheduled, and a sampling notification will be submitted a minimum of 48-hours prior to the scheduled time and date as per 19.15.29.12.D(1)(a) NMAC. If you have any questions or comments, please do not hesitate to contact Abraham Valladares at (432) 967-9624 or abevalladares@etechenv.com or Joseph S. Hernandez at (432) 305-6413 or joseph@etechenv.com.

Sincerely,
Etech Environmental and Safety Solutions, Inc.



Abraham Valladares
Project Coordinator



Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, Devon
New Mexico Oil Conservation Division
State Land Office

Sampling Variance Request
Incident Number nRM2014059324
Cochiti 28 Federal #001

Appendices:

Appendix A: Figure 1: Site Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

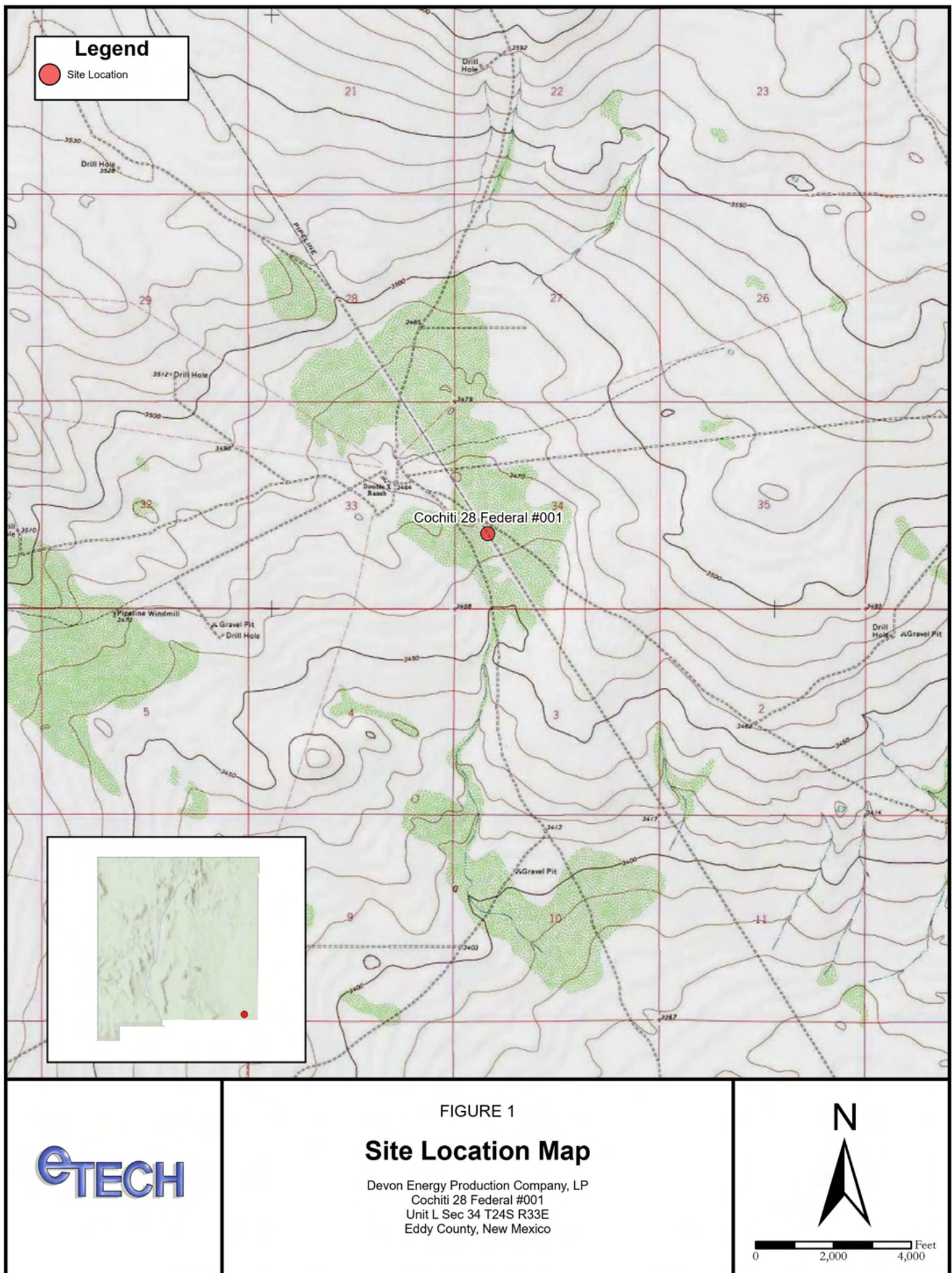
Figure 1C: Site Characterization Map – Subsurface Receptors

Figure 2: Proposed Sampling Grid Map

Appendix B: Referenced Well Record

APPENDIX A

Figures



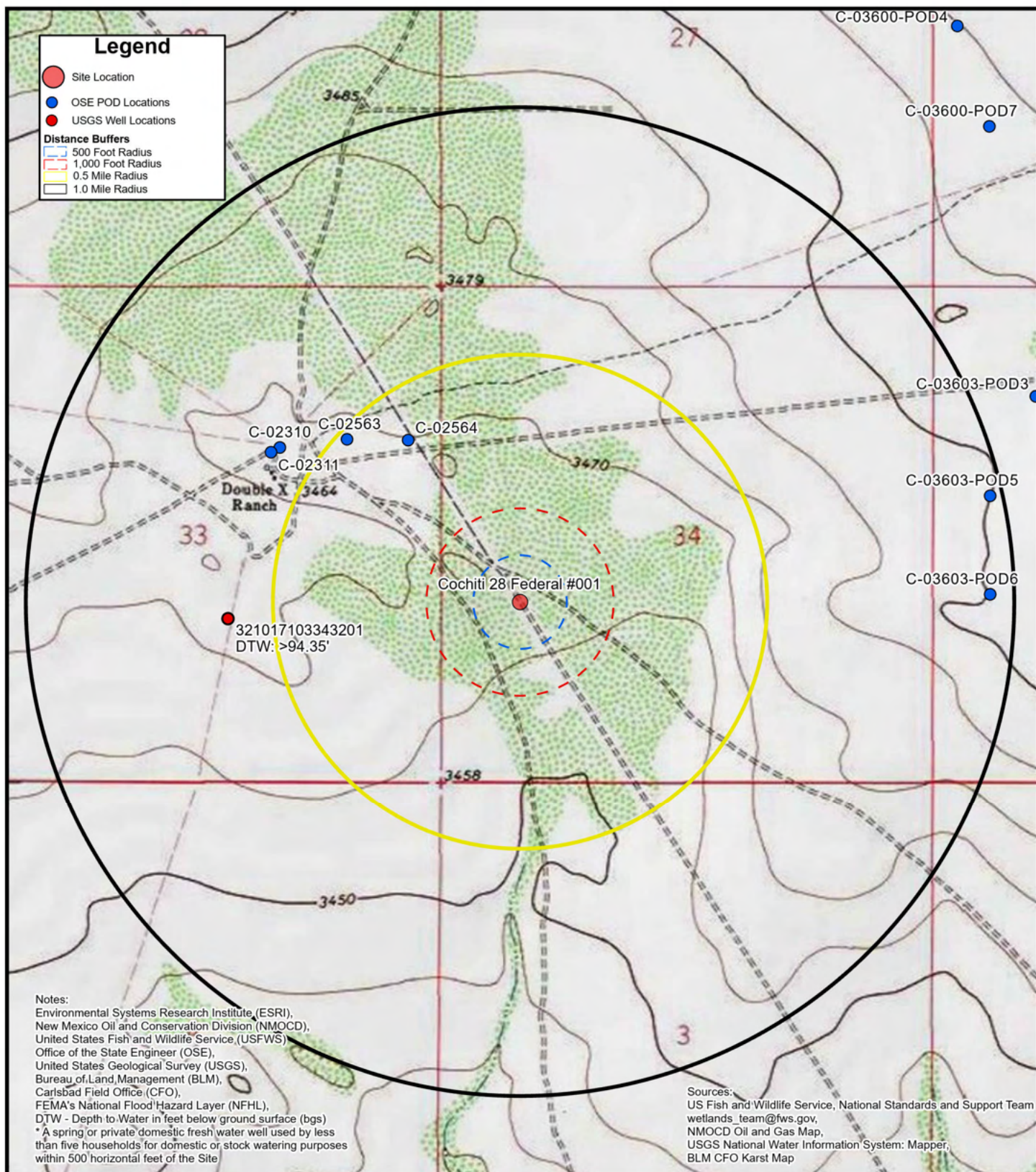


FIGURE 1A
**Site Characterization Map
 Groundwater**

Devon Energy Production Co, LP
 Cochiti Federal #001
 Unit L Sec 34 T24S R33E
 Eddy County, New Mexico



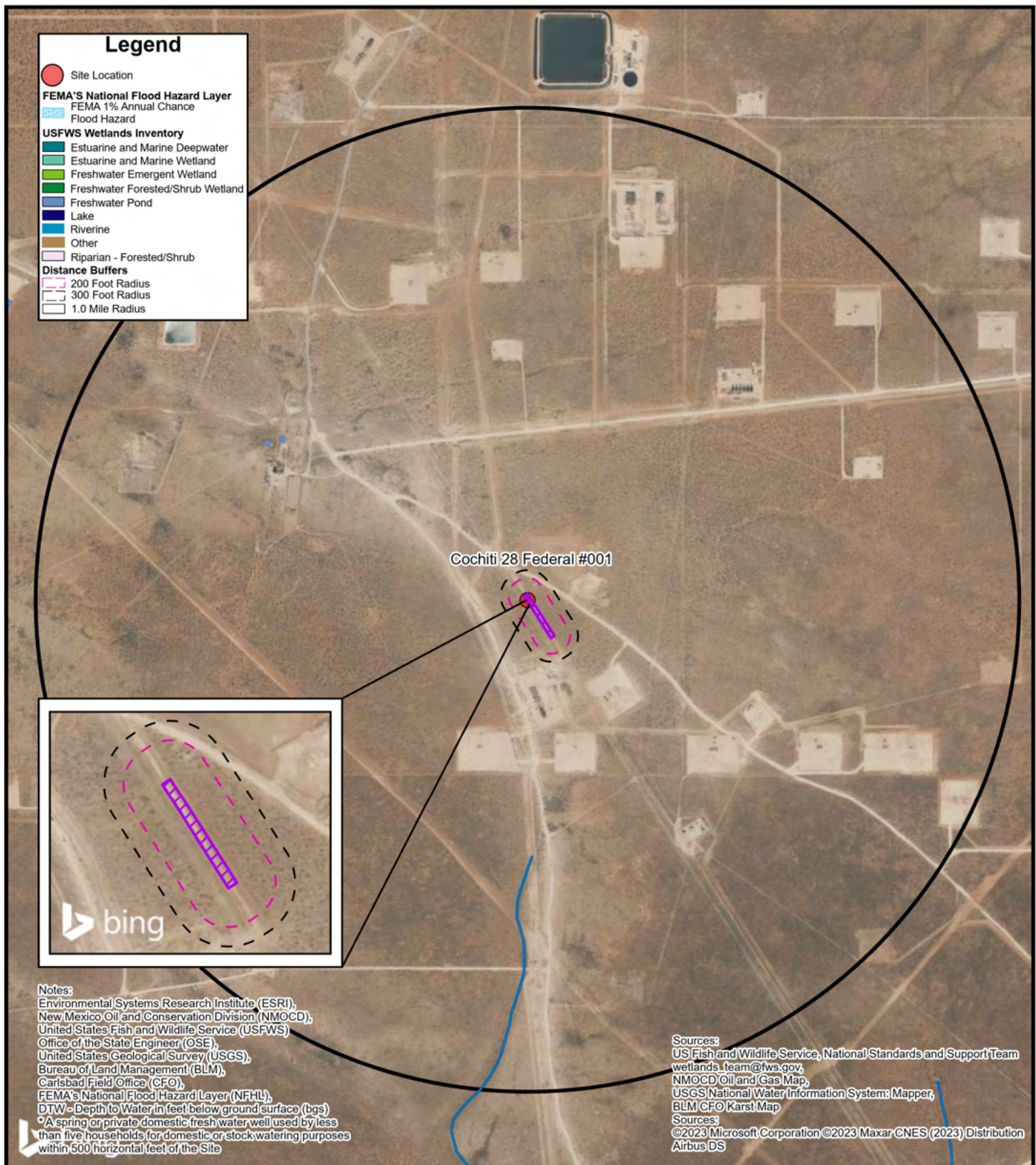
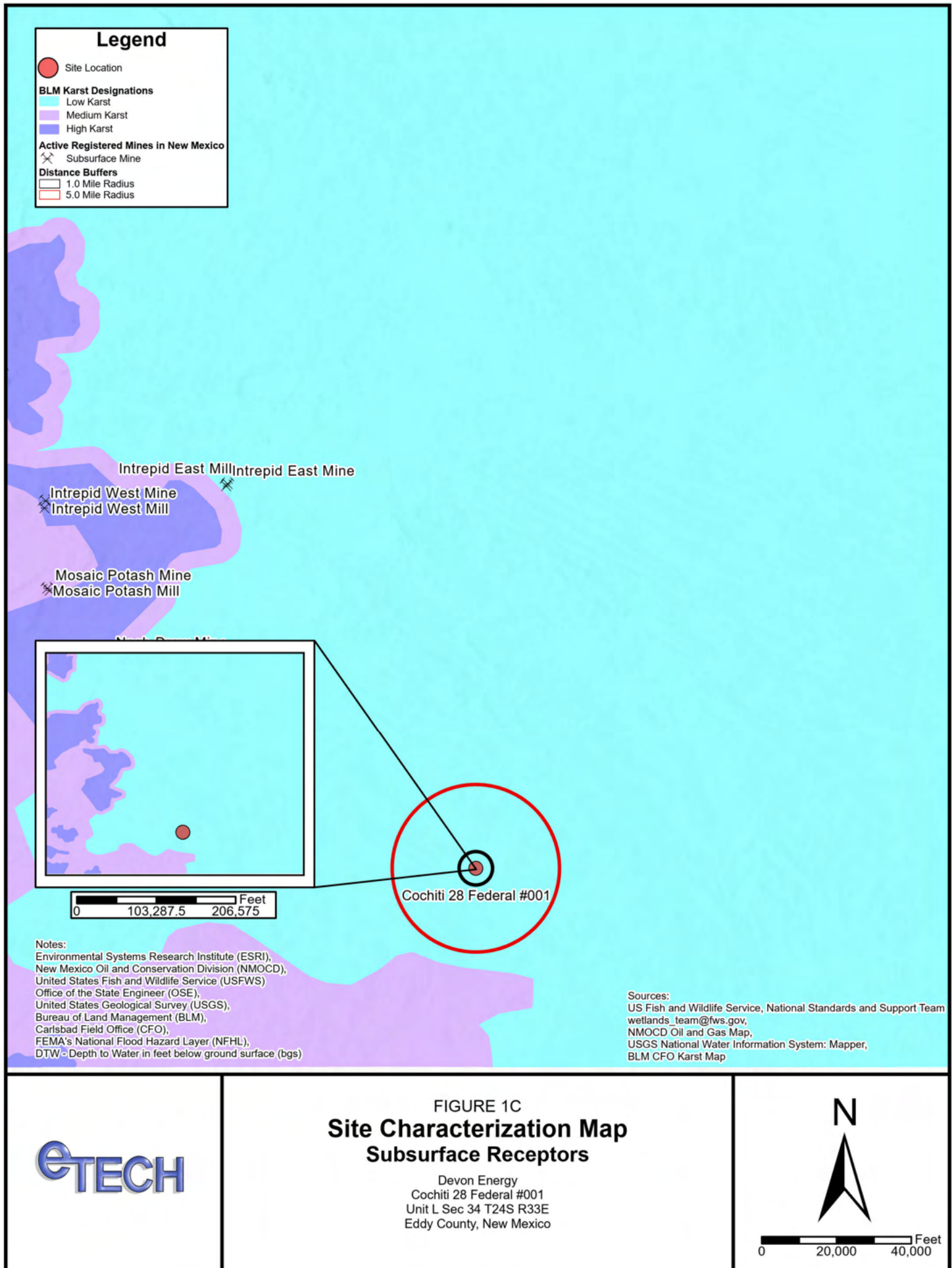


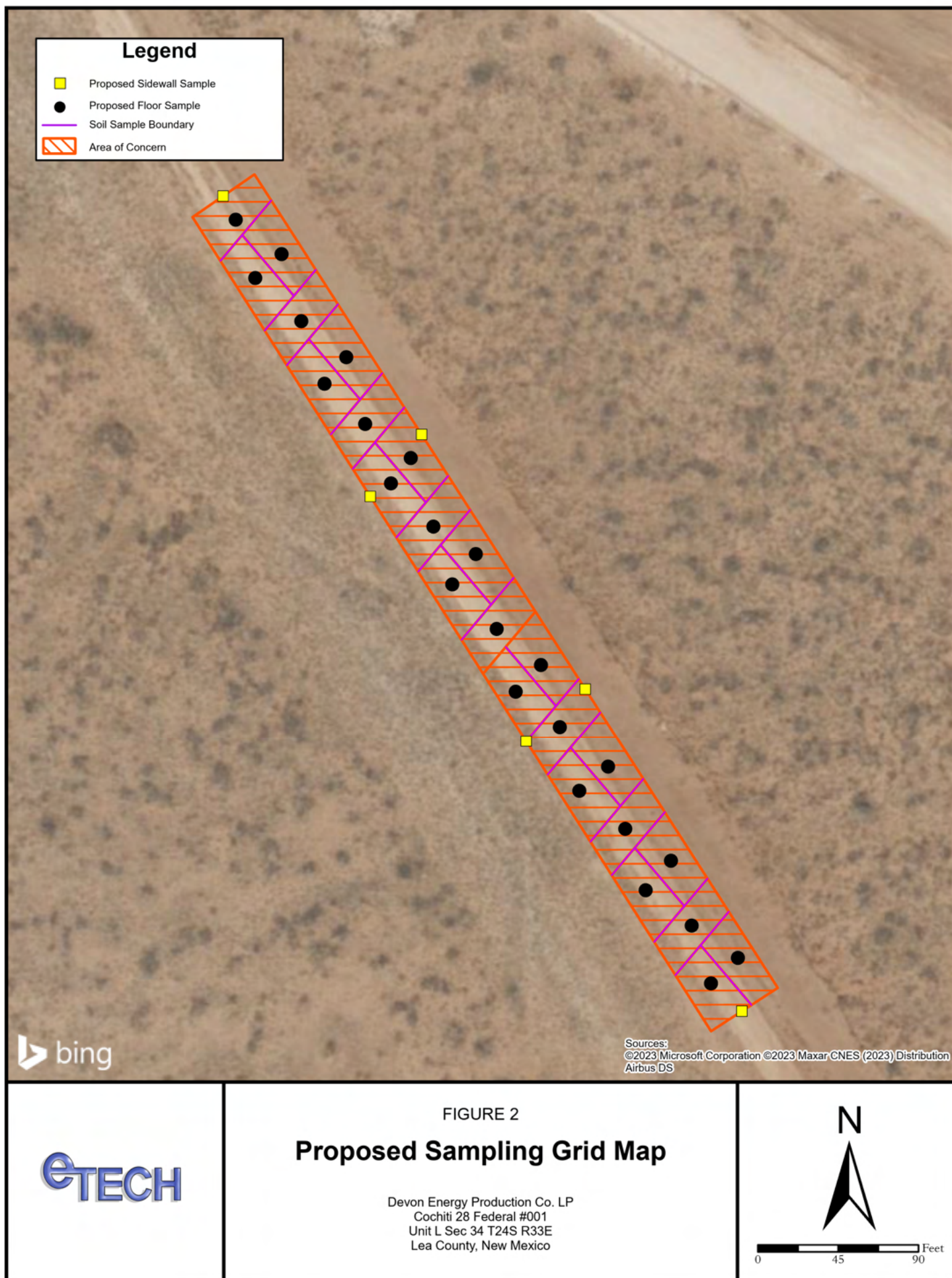
FIGURE 1B
**Site Characterization Map
 Surficial Receptors**

Devon Energy Production Co, LP
 Cochiti 28 Federal #001
 Unit L Sec 34 T24S R33E
 Eddy County, New Mexico

eTECH







APPENDIX Ó

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) BH 29				OSE FILE NUMBER C3603; 518404			
	WELL OWNER NAME(S) INTERCONTINENTAL POTASH CORP				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 600 W. BENDER BLVD.				CITY HOBBS STATE NM ZIP 88240			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32 10	SECONDS 20.0 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE	103 32	58.5 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE T24S; R 33E; SECTION 35								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1186		NAME OF LICENSED DRILLER RODNEY HAMMER			NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.		
	DRILLING STARTED 01-13-13		DRILLING ENDED 01-13-13		DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 75'	
	DEPTH WATER FIRST ENCOUNTERED (FT) N/A						STATIC WATER LEVEL IN COMPLETED WELL (FT)	
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input checked="" type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)							
	DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input checked="" type="radio"/> OTHER - SPECIFY: AUGER							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	75	8"	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3603	POD NUMBER	6	TRN NUMBER	518404
LOCATION	T245-R.33F- Sec 35.3/3				PAGE 1 OF 2

STATE ENGINE OFFICE
#02871
ESTIMATED FUEL (gpm) 2013
TESTED 11:30
DISCHARGE ME
TESTING PERIOD 11:03

WR-20 WELL RECORD & LOG (Version 06/08/2012)

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 418038

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2014059324
Incident Name	NRM2014059324 COCHITI 28 FEDERAL #001 @ 30-015-30113
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-30113] COCHITI 28 FEDERAL #001

Location of Release Source

Please answer all the questions in this group.

Site Name	COCHITI 28 FEDERAL #001
Date Release Discovered	04/29/2020
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Vehicular Accident Other (Specify) Produced Water Released: 206 BBL Recovered: 138 BBL Lost: 68 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 01/07/2025
--	---

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QUESTIONS, Page 3

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	90.6
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	32.1
GRO+DRO (EPA SW-846 Method 8015M)	32.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/18/2024
On what date will (or did) the final sampling or liner inspection occur	10/31/2024
On what date will (or was) the remediation complete(d)	10/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No soil removal required.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 01/07/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 6

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	396923
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/01/2024
What was the (estimated) number of samples that were to be gathered	116
What was the sampling surface area in square feet	124443

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The Site analyzed for any residual impacted within the vicinity of release. Based on laboratory analytical results, concentrations of COCs for all delineation and confirmation soil samples were below the Site Closure Criteria and/or reclamation standard

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/07/2025
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	0
What was the total volume of replacement material (in cubic yards) for this site	0
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	03/01/2024
Summarize any additional reclamation activities not included by answers (above)	Based on laboratory analytical results, no further remedial action is required, and the Site will be re-seeded with NMSLO Sandy Loam Site Seed Mixture following the appropriate NMSLO re-seeding guidelines for seed to sq ft area ratio.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 01/07/2025

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QUESTIONS, Page 8

Action 418038

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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Santa Fe, NM 87505

CONDITIONS

Action 418038

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 418038
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation/Remediation Closure Report for Incident #NRM2014059324 COCHITI 28 FEDERAL #001, thank you. This Reclamation/Remediation Closure Report is approved. On future Reclamation Reports, make sure at least one (1) representative 5-point composite sample is collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. Also, please make sure the area is back, as nearly as practical, to the original condition or the final land use (include photos) and maintain those areas to control dust and minimize erosion to the extent practical. Future Reclamation Reports will be denied if this does not occur.	1/15/2025