

Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<50' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 7/20/2023

email: dale.woodall@dnv.com Telephone: 575-748-1838

**OCD Only**

Received by: Shelly Wells Date: 7/20/2023

Incident ID	NAB1602526481
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## Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 7/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Shelly Wells Date: 7/20/2023

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

Closure Approved by: *Ashley Maxwell* Date: 7/21/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



**Pima Environmental Services**  
**5614 N. Lovington Highway**  
**Hobbs, NM 88240**  
**575-964-7740**

July 18<sup>th</sup>, 2023

NMOCD District 2  
 811 S. First Street  
 Artesia, NM 88210

**Re: Site Assessment, Remediation, and Closure Report**  
**Cotton Draw Unit #292H**  
**API No. 30-015-43261**  
**GPS: Latitude 32.171190 Longitude -103.733350**  
**UL -- K, Sec. 36, T24S, R31E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAB1602526481**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a treated produced water release that occurred at the Cotton Draw Unit 292H (CDC). The initial C-141 was submitted on January 21<sup>st</sup>, 2016 (Appendix C). This incident was assigned Incident ID NAB1602526481 by the New Mexico Oil Conservation Division (NMOCD).

**Site Characterization**

The CDU is located approximately thirty-two (32) miles northwest of Jal, NM. This spill site is in Unit K, Section 36, Township 24S, Range 31E, Latitude 32.171190 Longitude -103.733350, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Berino complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the CDU (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 135 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 289.69 feet BGS. The closest waterway is the Pecos River, located approximately 18.36 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (No GW Data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

**Release Information**

**NAB1602526481**: On January 20<sup>th</sup>, 2016, A treated produced water transfer line going from the Trionyx Water Treatment Pond to the Cotton Draw Unit #292H developed a leak on to the lease road and the pipeline easement following the lease road. The water pumps

were shut down immediately, line pinchers were applied to stop the release and isolate the damaged area, and the damaged section of line was replaced. The line had been split and the cause is under investigation at this time, but it appears to have been struck by a vehicle.

### Remediation Activities, Site Assessment, and Soil Sampling Results

On July 7<sup>th</sup>, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima collected a total of twenty-four soil samples for laboratory analysis. Six bottom samples (S1-S6) were collected at various depths to determine vertical delineation. Additionally, side wall samples (SW1-SW6) were collected at a depth of 6 inches to determine horizontal delineation. An initial site map can be found in Figure 4.

#### 7-7-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -COTTON DRAW UNIT #292H								
Sample Date: 7/7/2023			NM Approved Laboratory Results					
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. See Appendix D for Photographic Documentation.

### Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NAB1602526481, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or [Sebastian@pimaoil.com](mailto:Sebastian@pimaoil.com).

Respectfully,

*Sebastian Orozco*

Sebastian Orozco  
Project Manger  
Pima Environment Services, LLC

**Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Initial Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



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**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

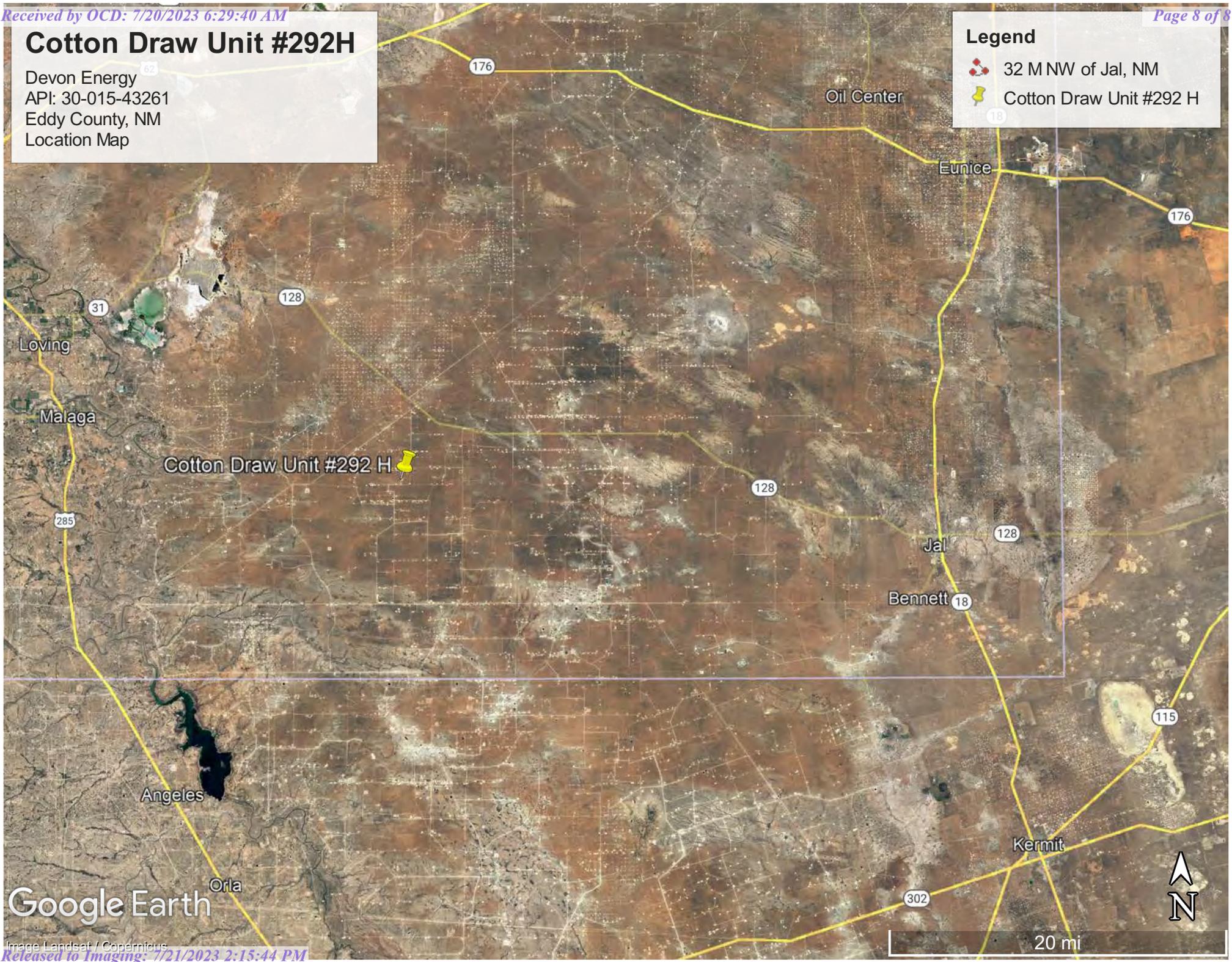
4-Site Map

# Cotton Draw Unit #292H

Devon Energy  
API: 30-015-43261  
Eddy County, NM  
Location Map

## Legend

-  32 M NW of Jal, NM
-  Cotton Draw Unit #292 H



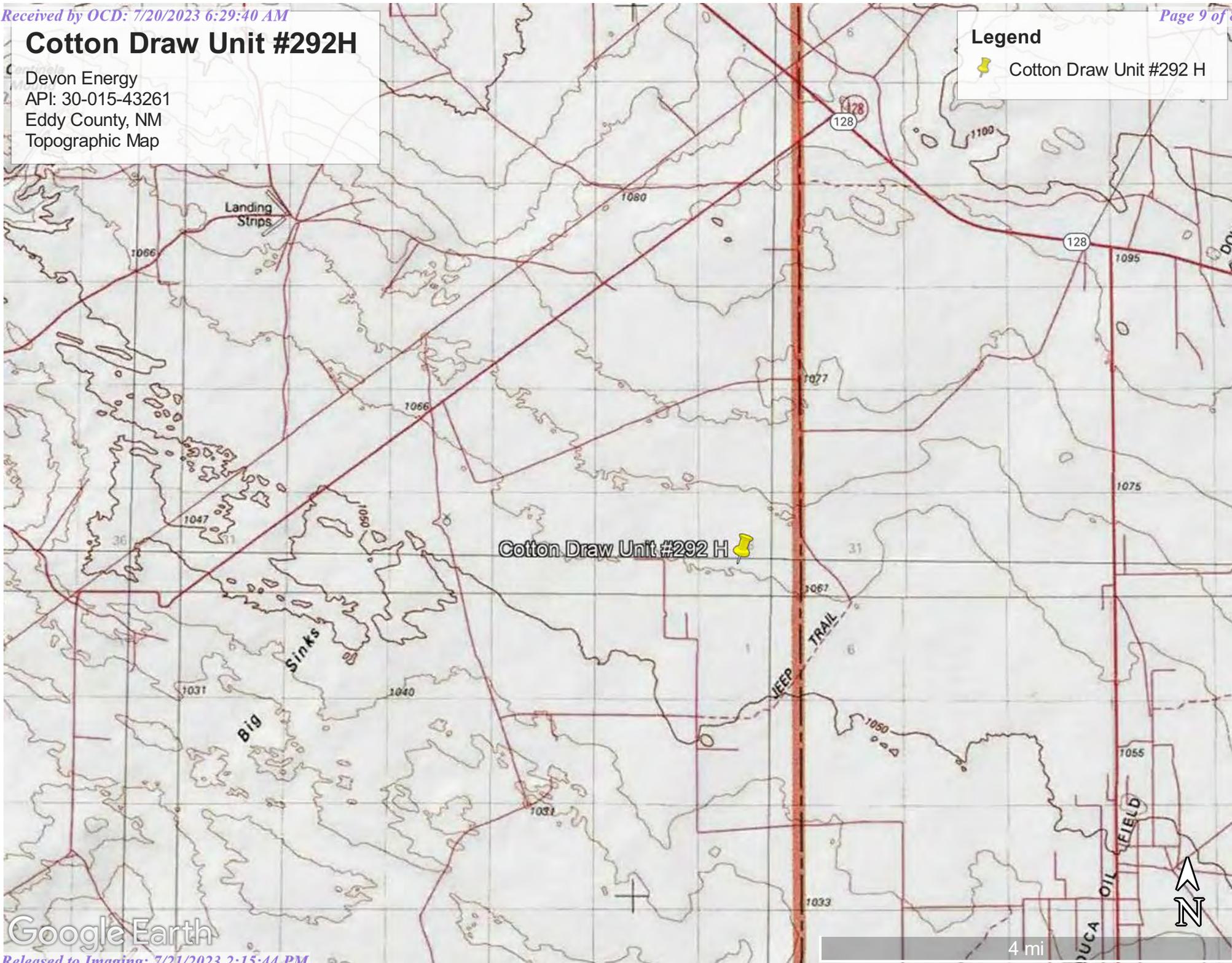
Google Earth

# Cotton Draw Unit #292H

Devon Energy  
API: 30-015-43261  
Eddy County, NM  
Topographic Map

## Legend

 Cotton Draw Unit #292 H

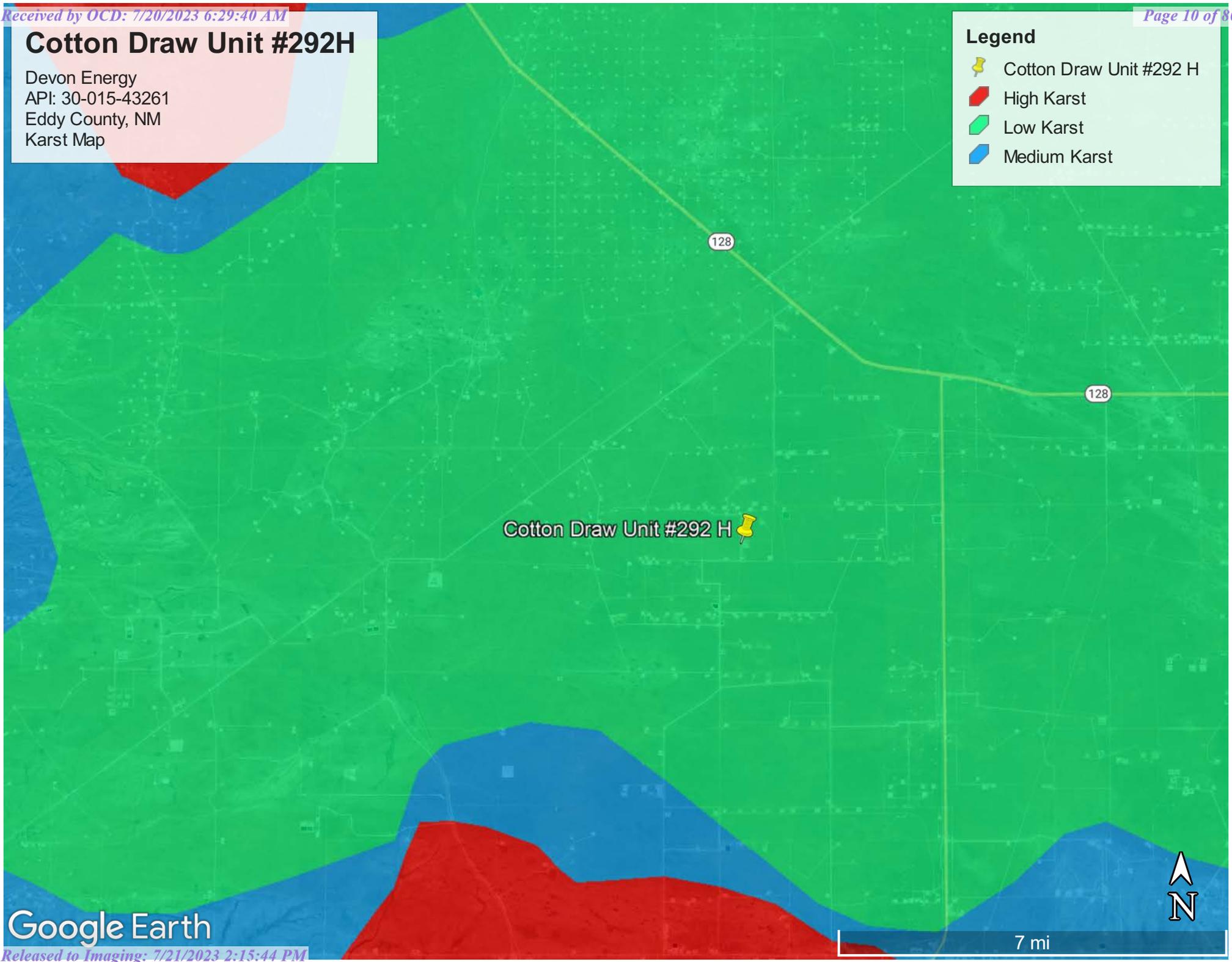


# Cotton Draw Unit #292H

Devon Energy  
API: 30-015-43261  
Eddy County, NM  
Karst Map

**Legend**

-  Cotton Draw Unit #292 H
-  High Karst
-  Low Karst
-  Medium Karst



Cotton Draw Unit #292 H 

Google Earth

7 mi

# Cotton Draw Unit #292H

Devon Energy  
NAB1602526481  
Eddy County, NM  
30-015-43261  
Site Map

## Legend

- Bottom Sample
- Release Area
- Side Wall Sample
- SW1
- SW2
- SW3
- SW4
- SW5
- SW6





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C_02572</a>		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	1096	852		
<a href="#">C_04654 POD1</a>		CUB	ED	3	3	4	25	24S	31E	619764	3561226	1164	55		
<a href="#">C_04636 POD1</a>		CUB	ED	3	4	3	25	24S	31E	619200	3561279	1187			
<a href="#">C_04643 POD1</a>		C	ED	4	2	2	05	23S	27E	619200	3561279	1187	305	135	170
<a href="#">C_02568</a>		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	1262	1025		
<a href="#">C_02573</a>		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	1378			
<a href="#">C_02571</a>		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	1397	860		
<a href="#">C_02569</a>		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	1421	1016		
<a href="#">C_02574</a>		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	1469			
<a href="#">C_04722 POD2</a>		CUB	LE	2	1	1	06	25S	32E	620808	3559499	1514	55		
<a href="#">C_02570</a>		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	1776	895		
<a href="#">C_03830 POD1</a>		CUB	ED	4	2	4	02	25S	31E	618632	3558432	1857	450		
<a href="#">C_04635 POD1</a>		CUB	ED	4	3	4	01	25S	31E	619958	3558078	2103	55		
<a href="#">C_04633 POD1</a>		CUB	ED	2	1	1	35	24S	31E	617394	3561170	2288			
<a href="#">C_04593 POD1</a>		CUB	ED	3	4	4	34	24S	31E	616903	3559674	2559	55		
<a href="#">C_04620 POD1</a>		CUB	LE	4	3	4	06	25S	32E	621445	3558018	2910	55		
<a href="#">C_04665</a>		CUB	LE	1	1	2	30	24S	32E	621350	3562798	3304	120		
<a href="#">C_04632 POD1</a>		CUB	ED	1	2	2	10	25S	31E	616802	3557964	3390	55		
<a href="#">C_04388 POD1</a>		C	ED	3	2	1	23	24S	31E	617546	3564006	4322	910	868	42
<a href="#">C_04576 POD1</a>		CUB	ED	1	2	1	23	24S	31E	617700	3564324	4550	910	850	60

Average Depth to Water: **617 feet**

Minimum Depth: **135 feet**

Maximum Depth: **868 feet**

Record Count: 20

**UTM NAD83 Radius Search (in meters):**

Eastings (X): 619424.15

Northing (Y): 3560113.42

Radius: 5000

\*UTM location was derived from PLSS - see Help

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.

6/24/23 8:14 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 321005103402301

Minimum number of levels = 1

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

### USGS 321005103402301 24S.32E.33.42241

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83

Land-surface elevation 3,499.00 feet above NGVD29

The depth of the well is 367 feet below land surface.

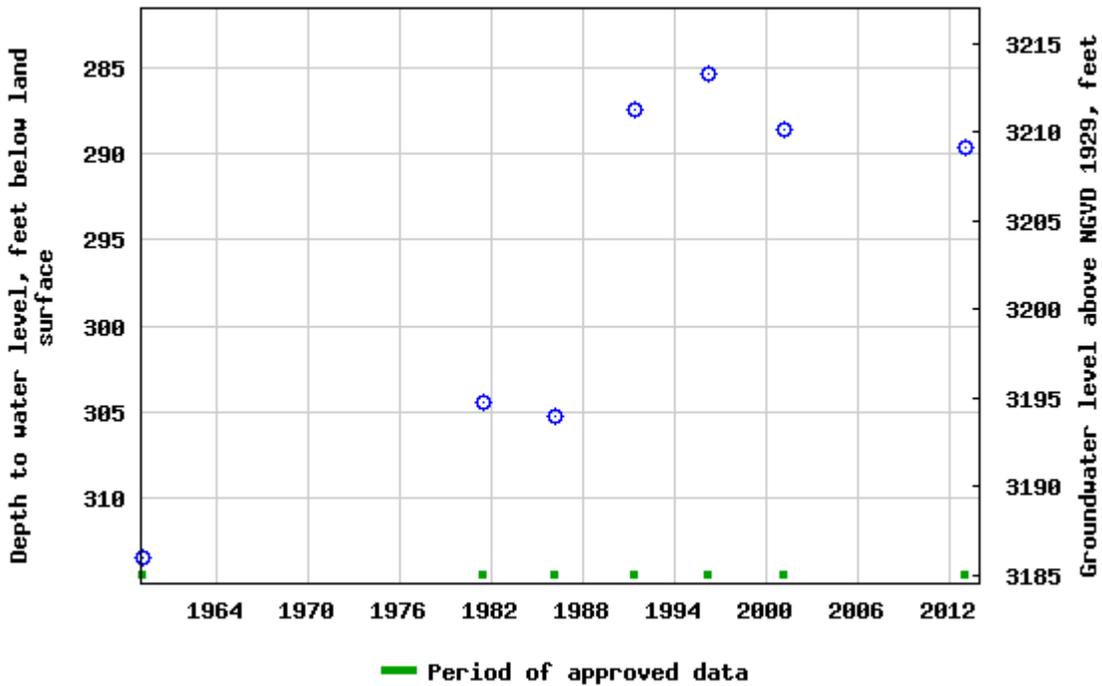
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

USGS 321005103402301 24S.32E.33.42241



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

- [Questions or Comments](#)
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**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2023-06-24 10:07:54 EDT

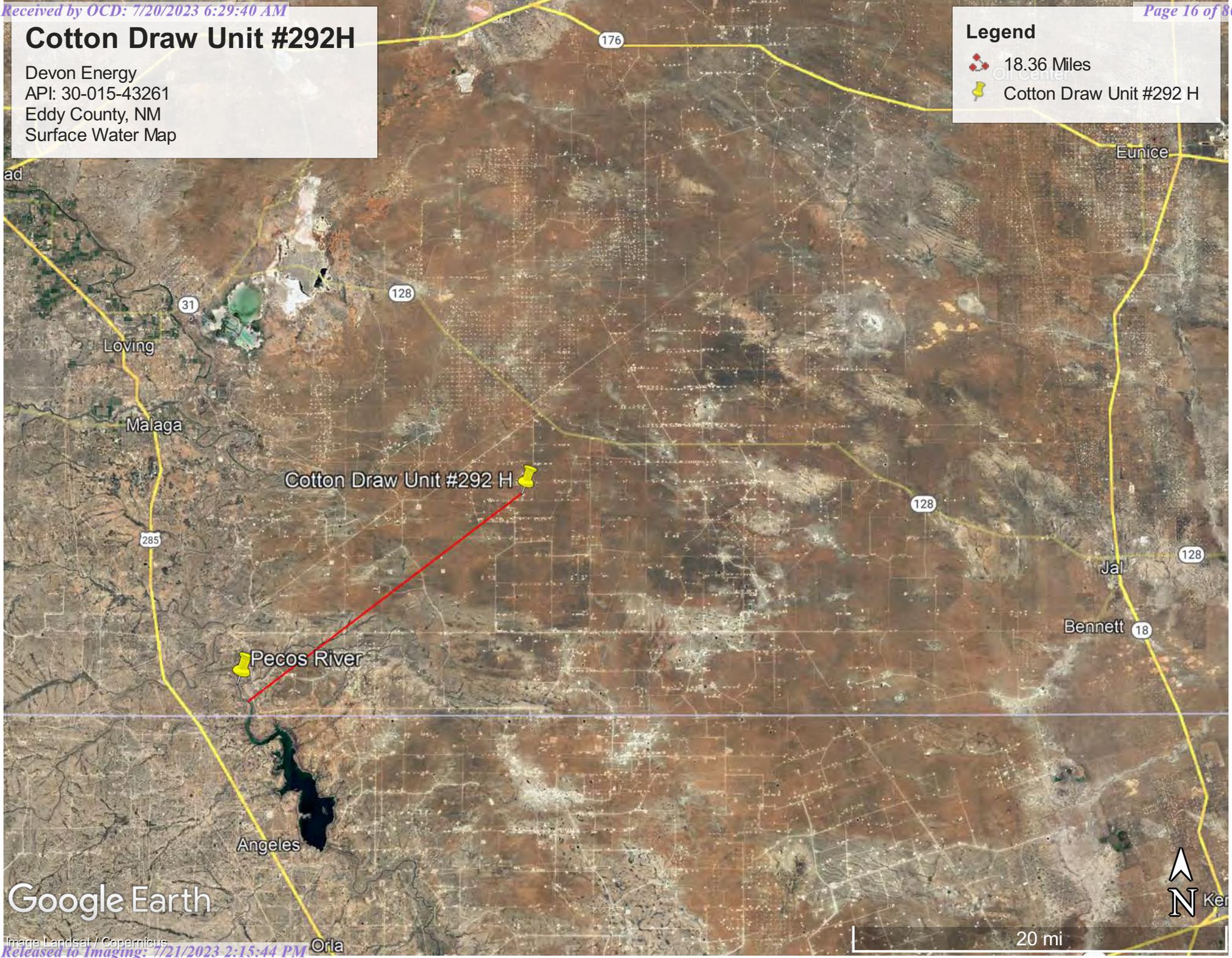
0.64 0.57 nadww01

# Cotton Draw Unit #292H

Devon Energy  
API: 30-015-43261  
Eddy County, NM  
Surface Water Map

**Legend**

-  18.36 Miles
-  Cotton Draw Unit #292 H



Google Earth



20 mi



Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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## Eddy Area, New Mexico

### BB—Berino complex, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w43

*Elevation:* 2,000 to 5,700 feet

*Mean annual precipitation:* 5 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 180 to 260 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 60 percent

*Pajarito and similar soils:* 25 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 17 inches:* fine sand

*H2 - 17 to 58 inches:* sandy clay loam

*H3 - 58 to 60 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### Description of Pajarito

#### Setting

*Landform: Dunes, plains, interdunes*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex, linear*  
*Across-slope shape: Convex, linear*  
*Parent material: Mixed alluvium and/or eolian sands*

#### Typical profile

*H1 - 0 to 9 inches: loamy fine sand*  
*H2 - 9 to 72 inches: fine sandy loam*

#### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): High*  
*(2.00 to 6.00 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 40 percent*  
*Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 1.0*  
*Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)*

#### Interpretive groups

*Land capability classification (irrigated): 2e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### Minor Components

#### Pajarito

*Percent of map unit: 4 percent*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

#### Wink

*Percent of map unit: 4 percent*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

#### Cacique

*Percent of map unit: 4 percent*

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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*Ecological site:* R070BD004NM - Sandy  
*Hydric soil rating:* No

**Kermit**

*Percent of map unit:* 3 percent  
*Ecological site:* R070BD005NM - Deep Sand  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 18, Sep 8, 2022

# National Flood Hazard Layer FIRMette



103°44'19"W 32°10'32"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/24/2023 at 10:19 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



# Wetlands Map



June 24, 2023

### Wetlands\_Alaska

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification

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

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

Initial Report  Final Report

Name of Company: <b>Devon Energy Production Co LP (6137)</b>	Contact: <b>Jeff Heath, Devon Completions Asst. Foreman</b>
Address: <b>PO Box 250 Artesia, NM 88211</b>	Telephone No. <b>575-513-2274</b>
Facility Name: <b>Cotton Draw Unit #292H</b>	Facility Type: <b>Oil Well</b>

Surface Owner: <b>State</b>	Mineral Owner: <b>State</b>	API No. <b>30-015-43261</b>
-----------------------------	-----------------------------	-----------------------------

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>K</b>	<b>36</b>	<b>24S</b>	<b>31E</b>	<b>1785</b>	<b>South</b>	<b>1882</b>	<b>West</b>	<b>Eddy</b>

Latitude: **32.171190** Longitude: **-103.733350**

#### NATURE OF RELEASE

Type of Release: <b>Treated Produced Water</b>	Volume of Release: <b>15 barrels</b>	Volume Recovered: <b>0 barrels</b>
Source of Release: <b>Water Transfer Line</b>	Date and Hour of Occurrence <b>1/20/2016; 4:00 AM</b>	Date and Hour of Discovery <b>1/20/2016; 4:00 AM</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Mike Bratcher - OCD</b>	
By Whom? <b>Jeff Heath - Devon Completions Asst. Foreman</b>	Date and Hour: <b>1/20/2016; 4:00 PM</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>NA</b>	

If a Watercourse was Impacted, Describe Fully.\* **NA**

Describe Cause of Problem and Remedial Action Taken.\*  
A treated produced water transfer line going from the Trionyx Water Treatment Pond to the Cotton Draw Unit #292H developed a leak on to the lease road and the pipeline easement following the lease road. The water pumps were shut down immediately, line pinchers were applied to stop the release and isolate the damaged area, and the damaged section of line was replaced. The line had been split and the cause is under investigation at this time, but it appears to have been struck by a vehicle.

Describe Area Affected and Cleanup Action Taken.\*  
The spill area affected is approximately 50' x 200' on the pipeline easement following the lease road. A central location of the spill is: Lat - N 32.17119; Long - W -103.73335, running North and South, and is approximately 0.8 miles Southwest of the Cotton Draw Unit #292H. An estimated 15 barrels of treated produced water was spilled and none was recovered, all water soaked into the sand. An environmental company will be called to test and create a remediation plan for submittal.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Denise Menoud</b>	Approved by Environmental Specialist:	
Title: <b>Field Admin Support</b>	Approval Date:	Expiration Date:
E-mail Address: <b>Denise.Menoud@dvn.com</b>	Conditions of Approval:	
Date: <b>1/21/2016</b> Phone: <b>575-746-5544</b>	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary



### Cotton Draw Unit 292H

PW Spill 1/20/2016



This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

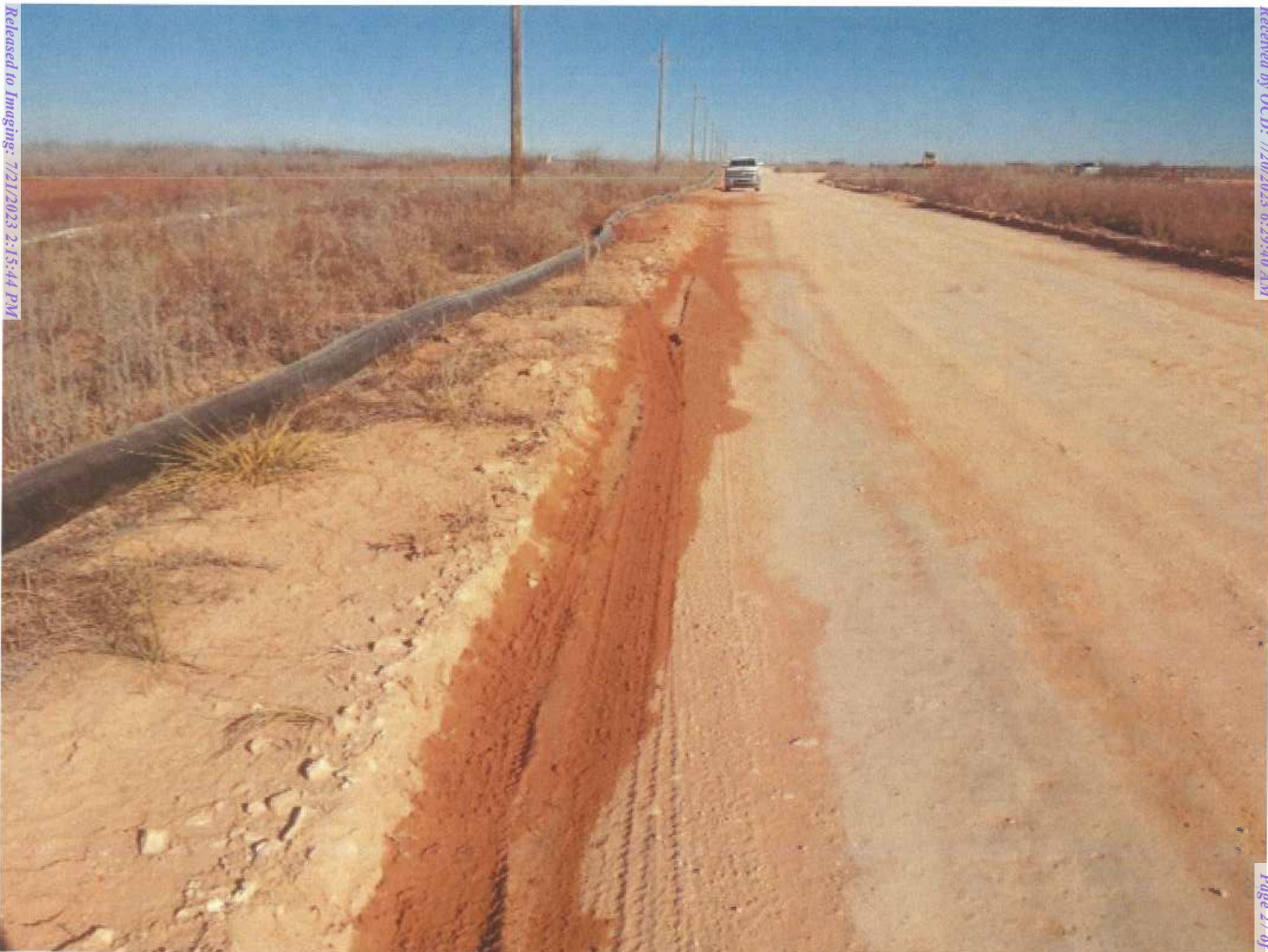
WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
Prepared by: D Menoud  
Map is current as of: 22-Jan-2016



Miles

0 0.04 0.07 0.14 1:7,114







Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<50' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 7/20/2023

email: dale.woodall@dnv.com Telephone: 575-748-1838

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 7/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



Pima Environmental Services

**Appendix D**

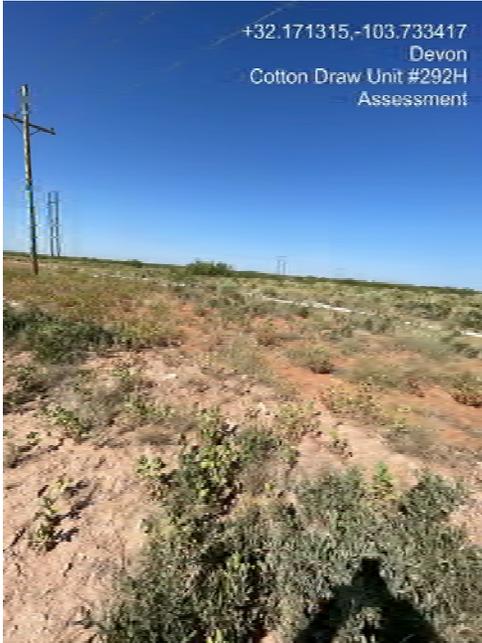
Photographic Documentation



# SITE PHOTOGRAPHS

## DEVON ENERGY – Cotton Draw Unit 292H

### Assessment:





Pima Environmental Services

**Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #292H

Work Order: E307024

Job Number: 01058-0007

Received: 7/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/14/23

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: 7/14/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #292H  
Workorder: E307024  
Date Received: 7/11/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/11/2023 8:15:00AM, under the Project Name: Cotton Draw Unit #292H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #292H 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 07/14/23 10:53
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E307024-01A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S1 - 3'	E307024-02A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S1 - 4'	E307024-03A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 1'	E307024-04A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 3'	E307024-05A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 4'	E307024-06A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 1'	E307024-07A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 3'	E307024-08A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 4'	E307024-09A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 1'	E307024-10A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 3'	E307024-11A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 4'	E307024-12A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 1'	E307024-13A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 3'	E307024-14A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 4'	E307024-15A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 1'	E307024-16A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 3'	E307024-17A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 4'	E307024-18A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW1	E307024-19A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW2	E307024-20A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW3	E307024-21A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW4	E307024-22A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW5	E307024-23A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW6	E307024-24A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
---	--	--

S1 - 1'

E307024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
---	--	--

S1 - 3'

E307024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		96.1 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S1 - 4'

E307024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		94.7 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S2 - 1'

E307024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	07/11/23	07/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	07/11/23	07/11/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	07/11/23	07/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		95.1 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S2 - 3'

E307024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		90.7 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S2 - 4'

E307024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		90.2 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S3 - 1'

E307024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		94.2 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S3 - 3'

E307024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene		98.9 %	70-130	07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	07/11/23	07/12/23	
Surrogate: Toluene-d8		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene		98.9 %	70-130	07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	07/11/23	07/12/23	
Surrogate: Toluene-d8		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane		91.7 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S3 - 4'

E307024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		86.0 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S4 - 1'

E307024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
<i>Surrogate: n-Nonane</i>		88.7 %	50-200	07/11/23	07/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**S4 - 3'**

**E307024-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S4 - 4'

E307024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		93.3 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S5 - 1'

E307024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		96.0 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S5 - 3'

E307024-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S5 - 4'

E307024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130	07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/11/23	07/12/23	
Surrogate: Toluene-d8		104 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130	07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/11/23	07/12/23	
Surrogate: Toluene-d8		104 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane		90.4 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S6 - 1'

E307024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		94.5 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S6 - 3'

E307024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		92.6 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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S6 - 4'

E307024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		87.3 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW1**

**E307024-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		94.7 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW2**

**E307024-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		93.8 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW3**

**E307024-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW4**

**E307024-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW5**

**E307024-23**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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**SW6**

**E307024-24**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/11/23	07/12/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/11/23	07/12/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/11/23	07/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/11/23	07/12/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2328021-BLK1)

Prepared: 07/11/23 Analyzed: 07/11/23

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	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

#### LCS (2328021-BS1)

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.25	0.0250	2.50		89.9	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.1	70-130			
Toluene	2.26	0.0250	2.50		90.3	70-130			
o-Xylene	2.29	0.0250	2.50		91.4	70-130			
p,m-Xylene	4.58	0.0500	5.00		91.5	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

#### Matrix Spike (2328021-MS1)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.29	0.0250	2.50	ND	91.5	48-131			
Ethylbenzene	2.23	0.0250	2.50	ND	89.2	45-135			
Toluene	2.26	0.0250	2.50	ND	90.6	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.2	43-135			
p,m-Xylene	4.62	0.0500	5.00	ND	92.5	43-135			
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

#### Matrix Spike Dup (2328021-MSD1)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.41	0.0250	2.50	ND	96.2	48-131	4.99	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135	6.11	27	
Toluene	2.40	0.0250	2.50	ND	96.0	48-130	5.83	24	
o-Xylene	2.47	0.0250	2.50	ND	98.6	43-135	5.59	27	
p,m-Xylene	4.90	0.0500	5.00	ND	97.9	43-135	5.73	27	
Total Xylenes	7.36	0.0250	7.50	ND	98.1	43-135	5.68	27	
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2328026-BLK1)

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5		70-130		
Surrogate: Toluene-d8	0.512		0.500		102		70-130		

#### LCS (2328026-BS1)

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.31	0.0250	2.50		92.3		70-130		
Ethylbenzene	2.25	0.0250	2.50		90.1		70-130		
Toluene	2.30	0.0250	2.50		91.9		70-130		
o-Xylene	2.36	0.0250	2.50		94.5		70-130		
p,m-Xylene	4.64	0.0500	5.00		92.8		70-130		
Total Xylenes	7.00	0.0250	7.50		93.4		70-130		
Surrogate: Bromofluorobenzene	0.486		0.500		97.1		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8		70-130		
Surrogate: Toluene-d8	0.509		0.500		102		70-130		

#### Matrix Spike (2328026-MS1)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.38	0.0250	2.50	ND	95.1		48-131		
Ethylbenzene	2.30	0.0250	2.50	ND	91.9		45-135		
Toluene	2.32	0.0250	2.50	ND	92.7		48-130		
o-Xylene	2.41	0.0250	2.50	ND	96.4		43-135		
p,m-Xylene	4.78	0.0500	5.00	ND	95.5		43-135		
Total Xylenes	7.19	0.0250	7.50	ND	95.8		43-135		
Surrogate: Bromofluorobenzene	0.487		0.500		97.4		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5		70-130		
Surrogate: Toluene-d8	0.496		0.500		99.1		70-130		

#### Matrix Spike Dup (2328026-MSD1)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.36	0.0250	2.50	ND	94.5	48-131	0.675	23	
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135	0.00	27	
Toluene	2.33	0.0250	2.50	ND	93.2	48-130	0.495	24	
o-Xylene	2.45	0.0250	2.50	ND	98.2	43-135	1.77	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	1.34	27	
Total Xylenes	7.29	0.0250	7.50	ND	97.2	43-135	1.48	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328021-BLK1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

**LCS (2328021-BS2)**

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

**Matrix Spike (2328021-MS2)**

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

**Matrix Spike Dup (2328021-MSD2)**

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	1.34	20	
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328026-BLK1)**

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

**LCS (2328026-BS2)**

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

**Matrix Spike (2328026-MS2)**

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

**Matrix Spike Dup (2328026-MSD2)**

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328015-BLK1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

**LCS (2328015-BS1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

**Matrix Spike (2328015-MS1)**

Source: E307023-06

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			

**Matrix Spike Dup (2328015-MSD1)**

Source: E307023-06

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.881	20	
Surrogate: n-Nonane	43.2		50.0		86.5	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328016-BLK1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

**LCS (2328016-BS1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

**Matrix Spike (2328016-MS1)**

Source: E307024-14

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

**Matrix Spike Dup (2328016-MSD1)**

Source: E307024-14

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	5.10	20	
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328017-BLK1)**

Prepared: 07/11/23 Analyzed: 07/12/23

Chloride ND 20.0

**LCS (2328017-BS1)**

Prepared: 07/11/23 Analyzed: 07/12/23

Chloride 251 20.0 250 101 90-110

**Matrix Spike (2328017-MS1)**

Source: E307024-01

Prepared: 07/11/23 Analyzed: 07/12/23

Chloride 248 20.0 250 ND 99.1 80-120

**Matrix Spike Dup (2328017-MSD1)**

Source: E307024-01

Prepared: 07/11/23 Analyzed: 07/12/23

Chloride 252 20.0 250 ND 101 80-120 1.60 20



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #292H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/14/2023 10:53:02AM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2328020-BLK1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Chloride ND 20.0

**LCS (2328020-BS1)**

Prepared: 07/11/23 Analyzed: 07/11/23

Chloride 252 20.0 250 101 90-110

**Matrix Spike (2328020-MS1)**

Source: E307024-21

Prepared: 07/11/23 Analyzed: 07/11/23

Chloride 252 20.0 250 ND 101 80-120

**Matrix Spike Dup (2328020-MSD1)**

Source: E307024-21

Prepared: 07/11/23 Analyzed: 07/11/23

Chloride 254 20.0 250 ND 102 80-120 0.871 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

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/14/23 10:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cotton Draw Unit #292#</u>		Attention: <u>Devon</u>		Lab WO# <u>E307024</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:											
Phone: <u>580-748-1613</u>		Email:											
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>1-325</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	7/7	S	1	51-1'	1							X		
8:55			2	51-3'	2									
9:00			3	51-4'	3									
9:05			4	52-1'	4									
9:10			5	52-3'	5									
9:15			6	52-4'	6									
9:20			7	53-1'	7									
9:25			8	53-3'	8									
9:30			9	53-4'	9									
9:35			10	54-1'	10									

Additional Instructions: WO# 21180445

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Karime Adams</u>		Date <u>7/10/23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Michelle Cunniff</u>		Date <u>7-10-23</u>	Time <u>1430</u>	Lab Use Only	
Relinquished by: (Signature) <u>Michelle Cunniff</u>		Date <u>7-10-23</u>	Time <u>1745</u>	Received by: (Signature) <u>Andrew Musso</u>		Date <u>7-10-23</u>	Time <u>1745</u>	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N	
Relinquished by: (Signature) <u>Andrew Musso</u>		Date <u>7-10-23</u>	Time <u>2:33</u>	Received by: (Signature) <u>Antonia Man</u>		Date <u>7/11/23</u>	Time <u>8:15</u>	T1 _____ T2 _____ T3 _____	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		AVG Temp °C <u>4</u>			

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



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: Cotton Draw Unit #2924		Attention: <u>Devan</u>		Lab WO# <u>E 367024</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method									
Address: 5614 N. Lovington Hwy.		City, State, Zip											RCRA
City, State, Zip Hobbs, NM, 88240		Phone:											
Phone: 580-748-1613		Email:											
Email: tom@pimaoil.com		Pima Project # <u>1-325</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	BGDOC	TX	Remarks
8:00	7/7	S	11	S4-3'	11								X			
8:05			12	S4-4'	12											
8:10			13	S5-1'	13											
8:15			14	S5-3'	14											
8:20			15	S5-4'	15											
8:25			16	S6-1'	16											
8:30			17	S6-3'	17											
8:35			18	S6-4'	18											
8:40			19	SW1	19											
8:45			20	SW2	20											

Additional Instructions: WO# 21180445

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) <u>Karime Adams</u>		Date <u>7/10/23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Michelle Cuyler</u>		Date <u>7-10-23</u>	Time <u>1430</u>	Lab Use Only		
Relinquished by: (Signature) <u>Michelle Cuyler</u>		Date <u>7-10-23</u>	Time <u>1745</u>	Received by: (Signature) <u>Andrew M550</u>		Date <u>7-10-23</u>	Time <u>1745</u>	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		
Relinquished by: (Signature) <u>Andrew M550</u>		Date <u>7-10-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Auth Man</u>		Date <u>7/11/23</u>	Time <u>8:15</u>	T1	T2	T3
								AVG Temp °C <u>4</u>		

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

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





**Envirotech Analytical Laboratory**

Printed: 7/11/2023 10:38:25AM

**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: Pima Environmental Services-Carlsbad	Date Received: 07/11/23 08:15	Work Order ID: E307024
Phone: (575) 631-6977	Date Logged In: 07/11/23 08:35	Logged In By: Caitlin Mars
Email: tom@pimaoil.com	Due Date: 07/17/23 17:00 (4 day TAT)	

**Chain of Custody (COC)**

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

Carrier: Courier

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

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Comments/Resolution**

Incorrect # of containers listed on COC when received from client.

**Client Instruction**

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

\_\_\_\_\_  
Date



envirotech Inc.

Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Cotton Draw Unit #292H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-325</u>		Lab Use Only Lab WO# <u>E307024</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard <u>X</u>		EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX <u>X</u>		Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	7/7	S	1+	S1-1'	1							X		Corrected # of Containers. 7/11/23 CMU
8:55			2	S1-3'	2									
9:00			3	S1-4'	3									
9:05			4	S2-1'	4									
9:10			5	S2-3'	5									
9:15			6	S2-4'	6									
9:20			7	S3-1'	7									
9:25			8	S3-3'	8									
9:30			9	S3-4'	9									
9:35			10	S4-1'	10									

Additional Instructions: WO# 21180445

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 5°C on subsequent days.			
Relinquished by: (Signature) <u>Karime Adams</u> Date <u>7/10/23</u> Time <u>2:30</u>				Received by: (Signature) <u>Michelle Cunsell</u> Date <u>7-10-23</u> Time <u>1430</u>			
Relinquished by: (Signature) <u>Michelle Cunsell</u> Date <u>7-10-23</u> Time <u>1745</u>				Received by: (Signature) <u>Andrew Mvssso</u> Date <u>7-10-23</u> Time <u>1745</u>			
Relinquished by: (Signature) <u>Andrew Mvssso</u> Date <u>7-10-23</u> Time <u>2330</u>				Received by: (Signature) <u>Carl Mann</u> Date <u>7/11/23</u> Time <u>8:15</u>			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #2924 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <u>Revan</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-325</u>		Lab Use Only Lab WO# <u>E 307024</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard <u>X</u>		EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX		State NM CO UT AZ TX <u>X</u>			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	BGDOC	TX	Remarks
8:00	7/7	S	1H	54-3'	11								X		
8:05			12	54-4'	12										
8:10			13	55-1'	13										
8:15			14	55-3'	14										
8:20			15	55-4'	15										
8:25			16	56-1'	16										
8:30			17	56-3'	17										
8:35			18	56-4'	18										
8:40			19	5w1	19										
8:45			20	5w2	20										

Additional Instructions: WO# 2180445

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) <u>Karime Adams</u>	Date <u>7/10/23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Michelle Gungl</u>	Date <u>7-10-23</u>	Time <u>1430</u>	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gungl</u>	Date <u>7-10-23</u>	Time <u>1745</u>	Received by: (Signature) <u>Andrew Messo</u>	Date <u>7-10-23</u>	Time <u>1745</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>7-10-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Cath Man</u>	Date <u>7/11/23</u>	Time <u>8:15</u>	

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

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



Project Information

Chain of Custody

Page 3 of 3

<b>Client:</b> Pima Environmental Services <b>Project:</b> Cotton Draw Unit #292H <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>		<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1-325		<b>Lab Use Only</b> <b>Lab WO#</b> E 307024 <b>Job Number</b> 010580007		<b>TAT</b> 1D 2D 3D Standard X		<b>EPA Program</b> CWA SDWA RCRA	
				<b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		<b>State</b> NM CO UT AZ TX X			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:40	7/7	S	12+	SW3	21							X		
9:45			22	SW4	22									
9:50			23	SW5	23									
9:55			24	SW6	24									

**Additional Instructions:** WO# 21180445

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:** \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <i>Karime Adams</i>	Date 7/10/23	Time 2130	Received by: (Signature) <i>Michelle Campbell</i>	Date 7-10-23	Time 1430	<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Campbell</i>	Date 7-10-23	Time 1745	Received by: (Signature) <i>Andrew Mosso</i>	Date 7-10-23	Time 1745	
Relinquished by: (Signature) <i>Andrew Mosso</i>	Date 7-10-23	Time 2330	Received by: (Signature) <i>Cathy Man</i>	Date 7/11/23	Time 8:15	

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.



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
 Action 242427

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 242427
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	None	7/21/2023