Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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?	51-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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: 8/2/2023

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

OCD Only

Received by: Shelly Wells Date: 8/3/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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.***

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] 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)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] 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: 8/2/2023

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

OCD Only

Received by: Shelly Wells Date: 8/3/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

August 1, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Cotton Draw Unit 294H (occurred at CDU 25 CTB)
API No. 30-015-44105
GPS: Latitude 32.187890 & 32.187845 Longitude -103.732432 & -103.731823
UL - K, Sect 25, T24S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1805851923

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 Crude Oil release that occurred at the Cotton Draw Unit 294H (occurred at CDU 25 CTB) (Cotton). The initial C-141 was submitted on February 27, 2018 (Appendix C). This incident was assigned Incident ID NAB1805851923 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cotton is located approximately twenty (20) miles southeast of Malaga, NM. This spill site is in Unit K, Section 25, Township 24S, Range 31E, Latitude 32.187890 & 32.187845 Longitude -103.732432 & -103.731823Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pajarito loamy fine sands, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Cotton (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 290 feet BGS. The closest waterway is a Salt Lake located approximately 16.56 miles to the northwest 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’	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

NAB1805851923: On February 13, 2018, a back psi valve failed causing the separator overpressure which caused the sight glass to fail, and fluids released onto the ground. A mist of oil was also sent out the flare line and through the flare causing a small fire near the base of the flare. The released fluids were calculated to be ¾ of a barrel by the separator and ¼ of a barrel by the base of the flare which burned of crude oil. No fluids were able to be recovered.

Remediation Activities, Site Assessment, and Soil Sampling Results

June 23, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6/23/23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 100')								
DEVON ENERGY -COTTON DRAW UNIT 294H								
Sample Date: 6/23/2023				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	1720	1090	2810	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	88.7	ND	88.7	ND
S-3	1'	ND	ND	ND	ND	ND	0	20.4
	3'	ND	ND	ND	ND	ND	0	44.8
	4'	ND	ND	ND	ND	ND	0	23.8
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	44.6	ND	44.6	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
S-7	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

ND- Analyte Not Detected

On July 19, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area of S-2 to a depth of 1.5' BGS. The contaminated soil 15 cubic yards were hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 24, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

7-24-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 100')								
DEVON ENERGY -COTTON DRAW UNIT 294H								
Sample Date: 7/24/2023				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
CS1 Bottom	1.5'	ND	ND	ND	ND	ND	0	ND
CS2 Bottom	1.5'	ND	ND	ND	ND	ND	0	ND
CSW 1	1.5'	ND	ND	ND	ND	ND	0	ND
CSW 2	1.5'	ND	ND	ND	ND	ND	0	ND
CSW 3	1.5'	ND	ND	ND	ND	ND	0	ND
CSW 4	1.5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAB1805851923, 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 Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map
5- Confirmation Sample Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form and 48 Hour Notification
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

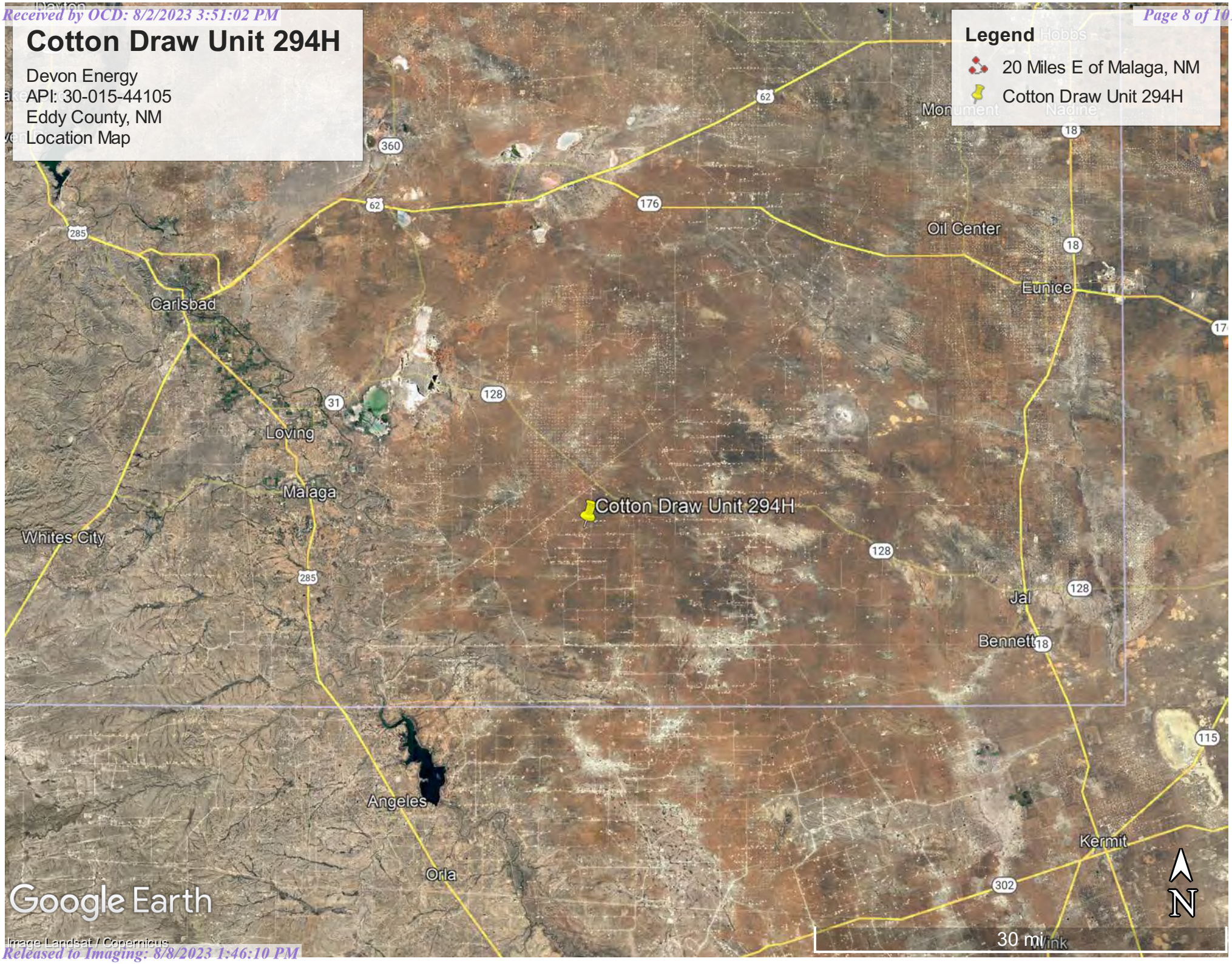
2-Topographic Map

3-Karst Map

4-Site Map

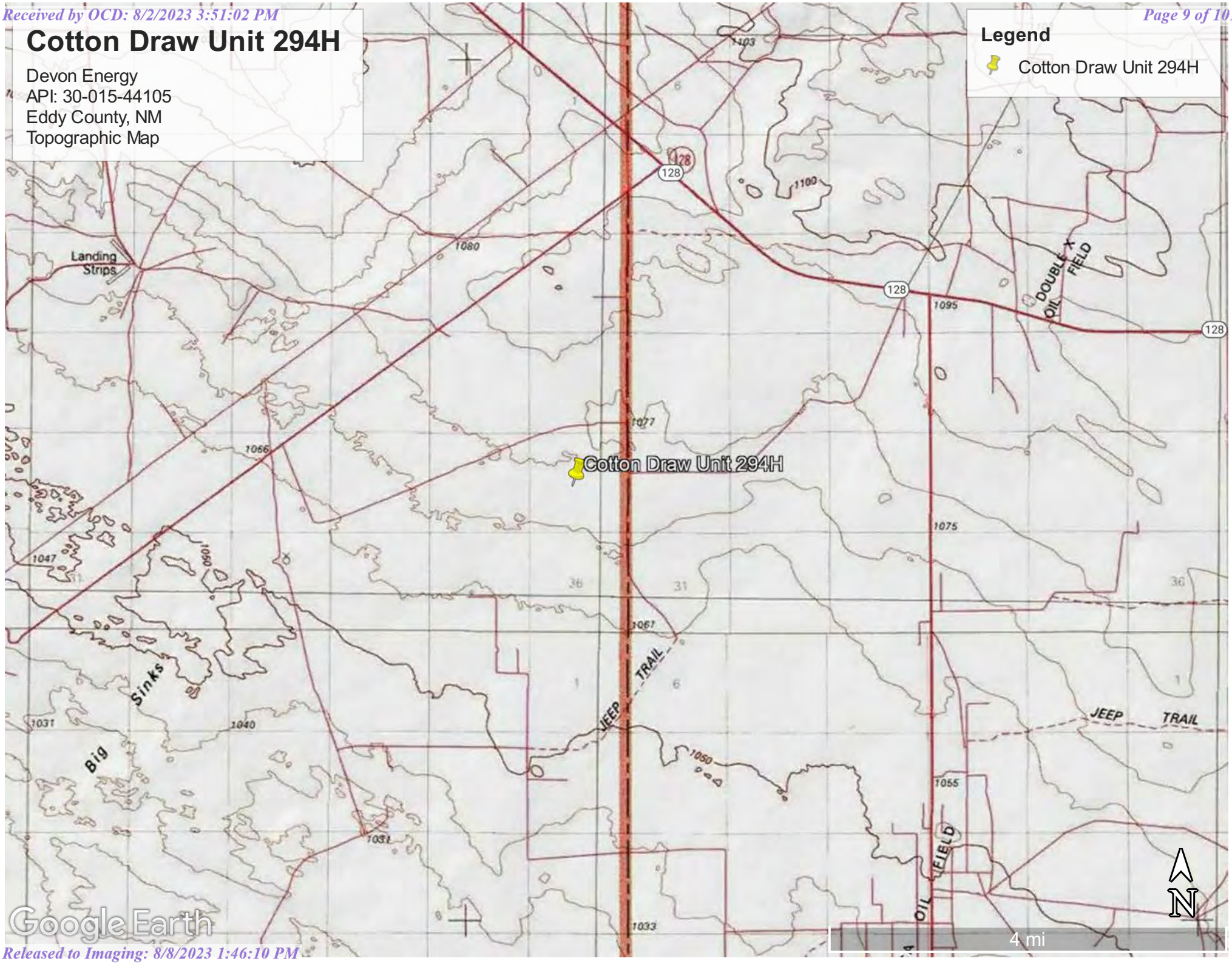
Cotton Draw Unit 294H

Devon Energy
API: 30-015-44105
Eddy County, NM
Location Map



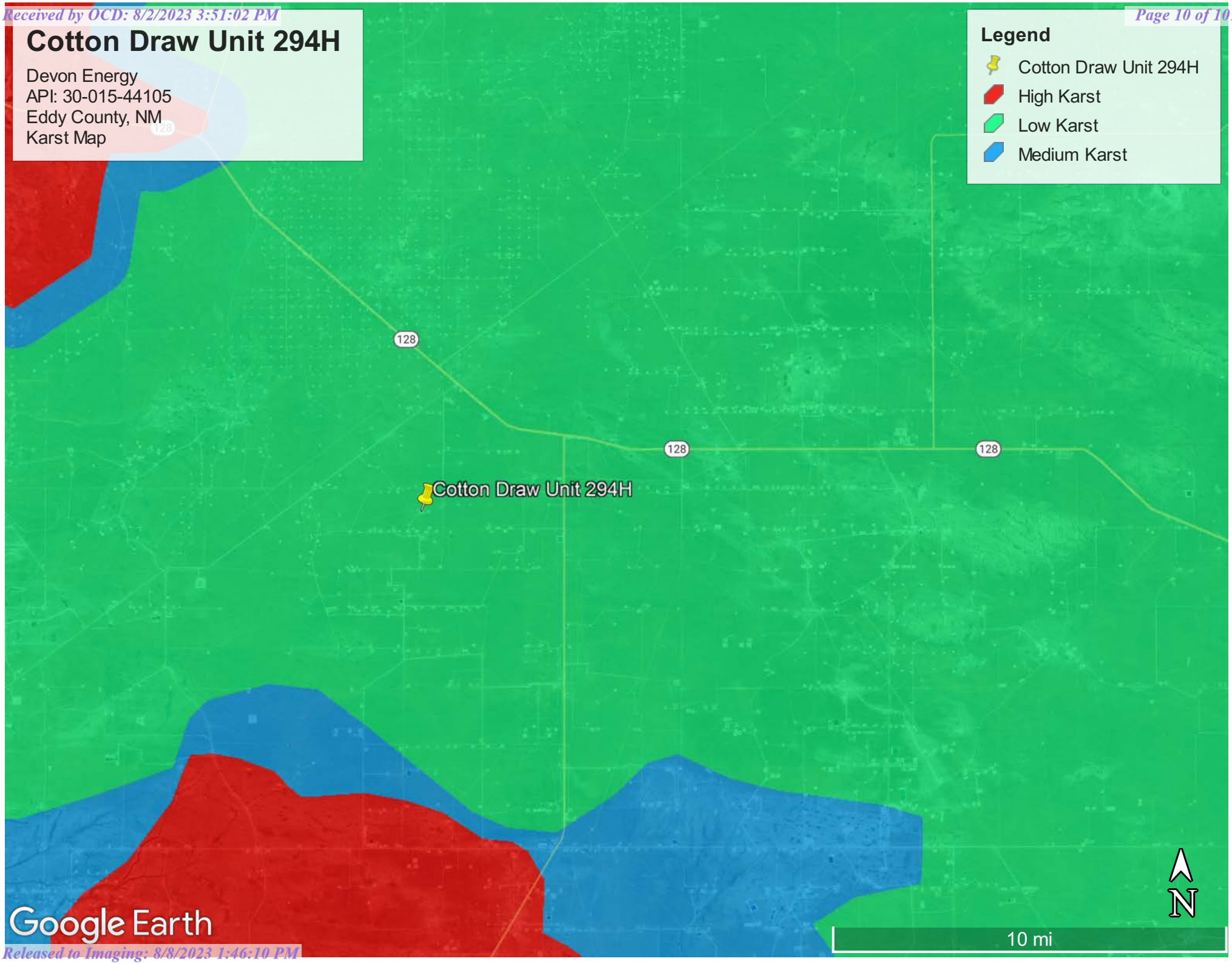
Cotton Draw Unit 294H

Devon Energy
API: 30-015-44105
Eddy County, NM
Topographic Map



Cotton Draw Unit 294H

Devon Energy
API: 30-015-44105
Eddy County, NM
Karst Map



Cotton Draw Unit 294h

Devon Energy
API:30-015-44105
Eddy County, NM
Site Map

Cotton Draw Unit 294h

Devon Energy
API:30-015-44105
Eddy County, NM
Confirmation Sample Map

Legend

- Cotton Draw Unit 294H
- Confirmation Samples

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04636 POD1	3	4	3	25	24S	31E	619200	3561279

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE ATKINS

Drill Start Date: 06/08/2022 **Drill Finish Date:** 06/08/2022 **Plug Date:**

Log File Date: 06/21/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

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	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E	619200	3561279	744			
C 04643 POD1		C	ED	4	2	2	05	23S	27E	619200	3561279	744	305	135	170
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E	619764	3561226	788	55		
C 04665		CUB	LE	1	1	2	30	24S	32E	621350	3562798	2038	120		
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170	2240			
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	2787	852		
C 04388 POD1		C	ED	3	2	1	23	24S	31E	617546	3564006	2817	910	868	42
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	2839			
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	2927	860		
C 04576 POD1		CUB	ED	1	2	1	23	24S	31E	617700	3564324	2960	910	850	60
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	3040			
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	3097	1025		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	3174	1016		
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674	3455	55		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	3564	895		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	3635	450		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E	619958	3558078	3915	55		
C 04508 POD1		CUB	ED	4	4	3	15	24S	31E	616298	3564493	4070	110		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	4405	55		
C 03530 POD1		C	LE	3	4	3	07	24S	32E	620886	3566156	4417	550		
C 04687 POD1		CUB	ED	4	2	3	12	24S	31E	619481	3566450	4484	110		
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	4819	55		

Average Depth to Water: **617 feet**
Minimum Depth: **135 feet**
Maximum Depth: **868 feet**

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 619488.89 **Northing (Y):** 3561965.76 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews 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

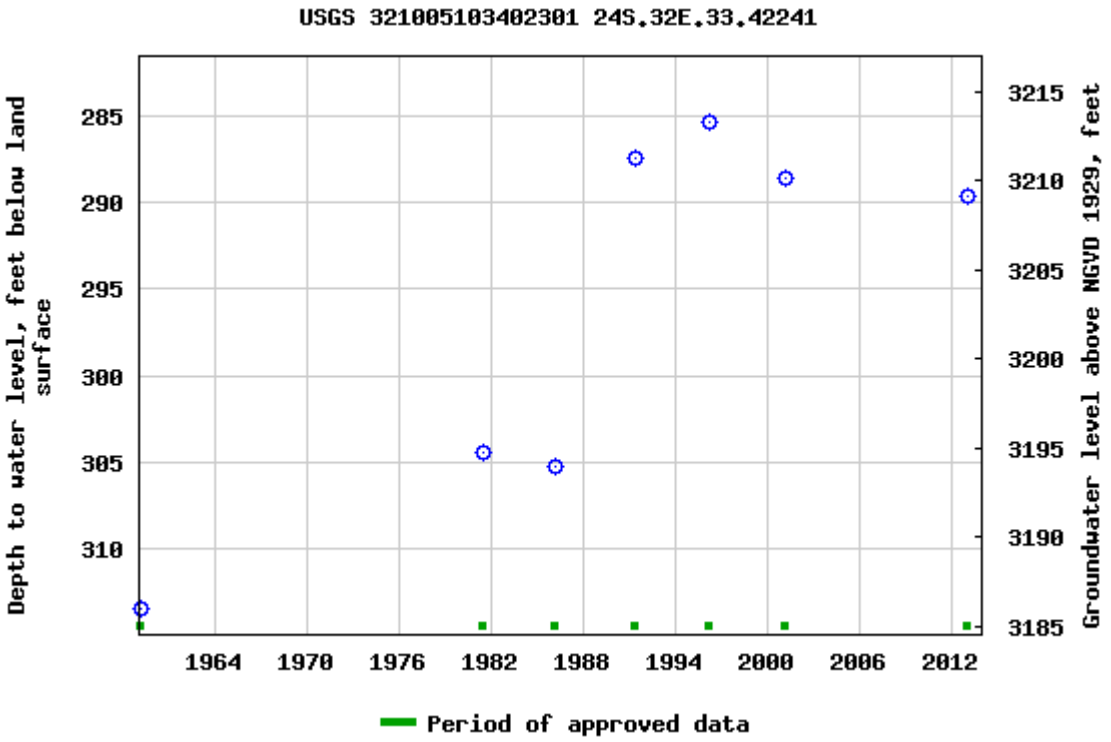
USGS 321005103402301 24S.32E.33.42241

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

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



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

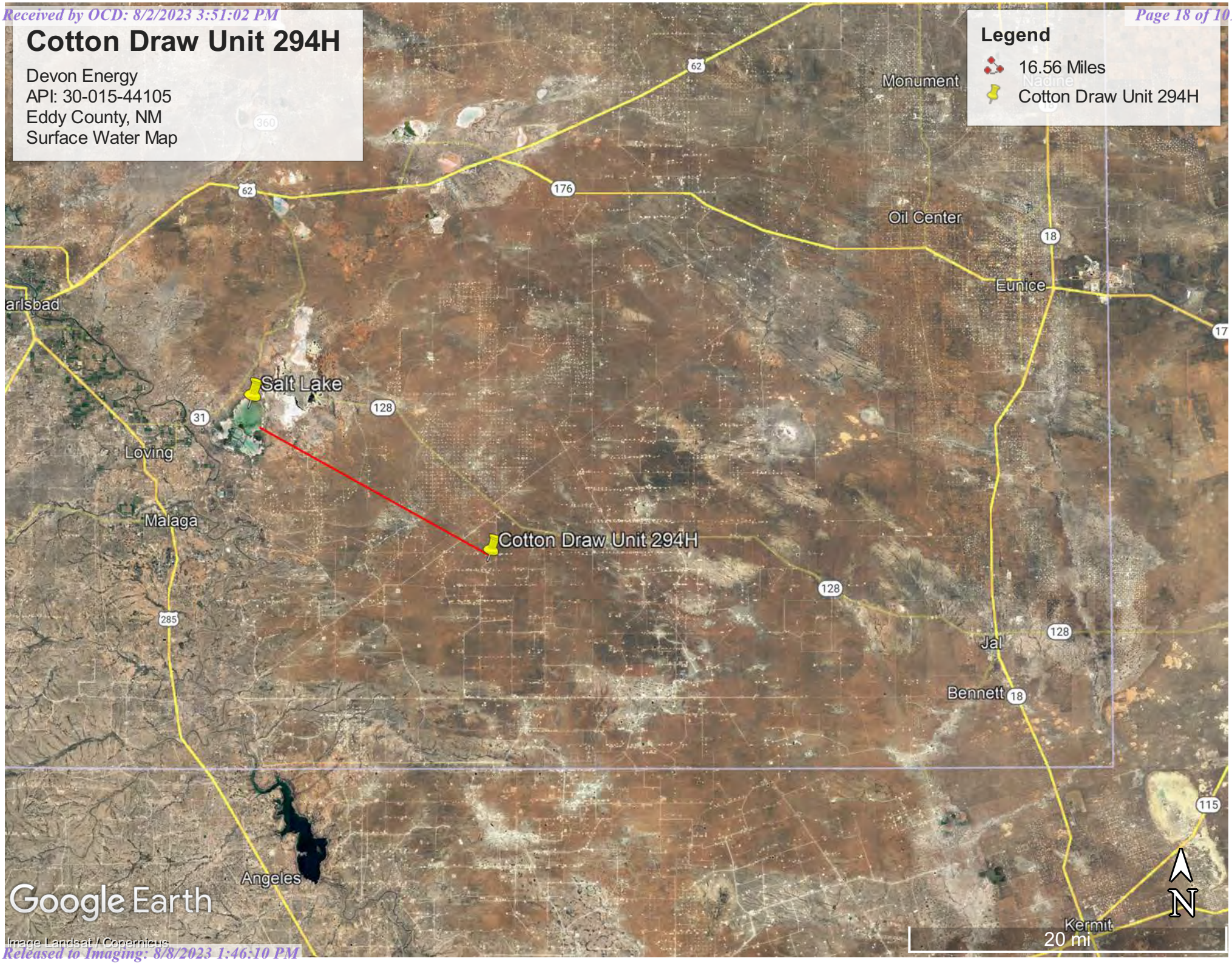
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2023-05-25 12:06:58 EDT
0.64 0.53 nadww01

Cotton Draw Unit 294H

Devon Energy
API: 30-015-44105
Eddy County, NM
Surface Water Map



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54
Elevation: 2,700 to 5,500 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 13 inches: loamy fine sand
H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 60 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: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 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

Berino
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy 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

FEMA

103°44'16"W 32°11'32"N

103°43'38"W 32°11'1"N

Feet 1:6,000

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

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- 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 *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 5/25/2023 at 12:10 PM 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

May 25, 2023

Wetlands

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

NM OIL CONSERVATION
ARTESIA DISTRICT
FEB 27 2018
RECEIVED

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 April 3, 2017

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

Release Notification and Corrective Action

nAB1805851923

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company 6137	Contact Wes Ryan, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-390-5436
Facility Name Cotton Draw Unit 294H (occurred at CDU 25 CTB)	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-44105

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	25	24S	31E					Eddy

Latitude_32.187890 & 32.187845_ **Longitude**_103.732432 & 103.731823_ NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release 1bbl	Volume Recovered None
Source of Release Back up PSI valve	Date and Hour of Occurrence February 13, 2018 @ 1:00 PM MST	Date and Hour of Discovery February 13, 2018 @ 1:00 PM MST
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? Mike Bratcher/Crystal Weaver, OCD Shelly Tucker, BLM	
By Whom? Mike Shoemaker, EHS Representative	Date and Hour February 14, 2018 @ 2:09 PM MST	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The back psi valve failed causing the separator to overpressure which caused the sight glass to fail and fluids were then released to the ground (approximately ¾ bbl). A mist of oil was also sent out the flare line and through the flare causing a small fire near the base of the flare (approximately ¼ bbl). Personnel were on location when the incident occurred and the fire was immediately extinguished using personal fire extinguishers. There were no injuries to personnel.

Describe Area Affected and Cleanup Action Taken.*
Approximately 3/4BBL oil was released to the ground while 1/4BBL oil was released as a mist through the flare line causing a small fire to occur at the base of the flare. No fluids recovered. An environmental company will be contacted to assist with delineation and remediation efforts.

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: Dana DeLaRosa	OIL CONSERVATION DIVISION
Printed Name: Dana DeLaRosa	Approved by Environmental Specialist: Signed By
Title: Field Admin Support	Approval Date: 2/27/18 Expiration Date: N/A
E-mail Address: dana.delarosa@dvn.com	Conditions of Approval: See Attached Attached ☐
Date: 2/27/2018 Phone: 575.746.5594	

* Attach Additional Sheets If Necessary

fAPP2304638

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 2/27/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4630 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 3/27/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: DeLaRosa, Dana <Dana.DeLaRosa@dvn.com>
Sent: Tuesday, February 27, 2018 7:54 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Tucker, Shelly
Cc: Shoemaker, Mike; Fulks, Brett
Subject: Cotton Draw 294H_1BBL Oil_2.13.2018
Attachments: Cotton Draw Unit 294H_1BBL Oil & Fire_Initial C-141_2.13.18.doc; Cotton Draw 294H_1BBLS Oil_2.13.2018_GIS Image.pdf

Good Morning,

Attached you will find the C141 for the 1BBL oil released at the Cotton Draw 294H on 2.13.2018. The red dot on the GIS Image represents the origin of release.

If you have any questions, feel free to contact me.

Thank you,

Dana DeLaRosa
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 746 5594

devon

Cotton Draw Unit 294H

1BBL Oil_2.13.2018

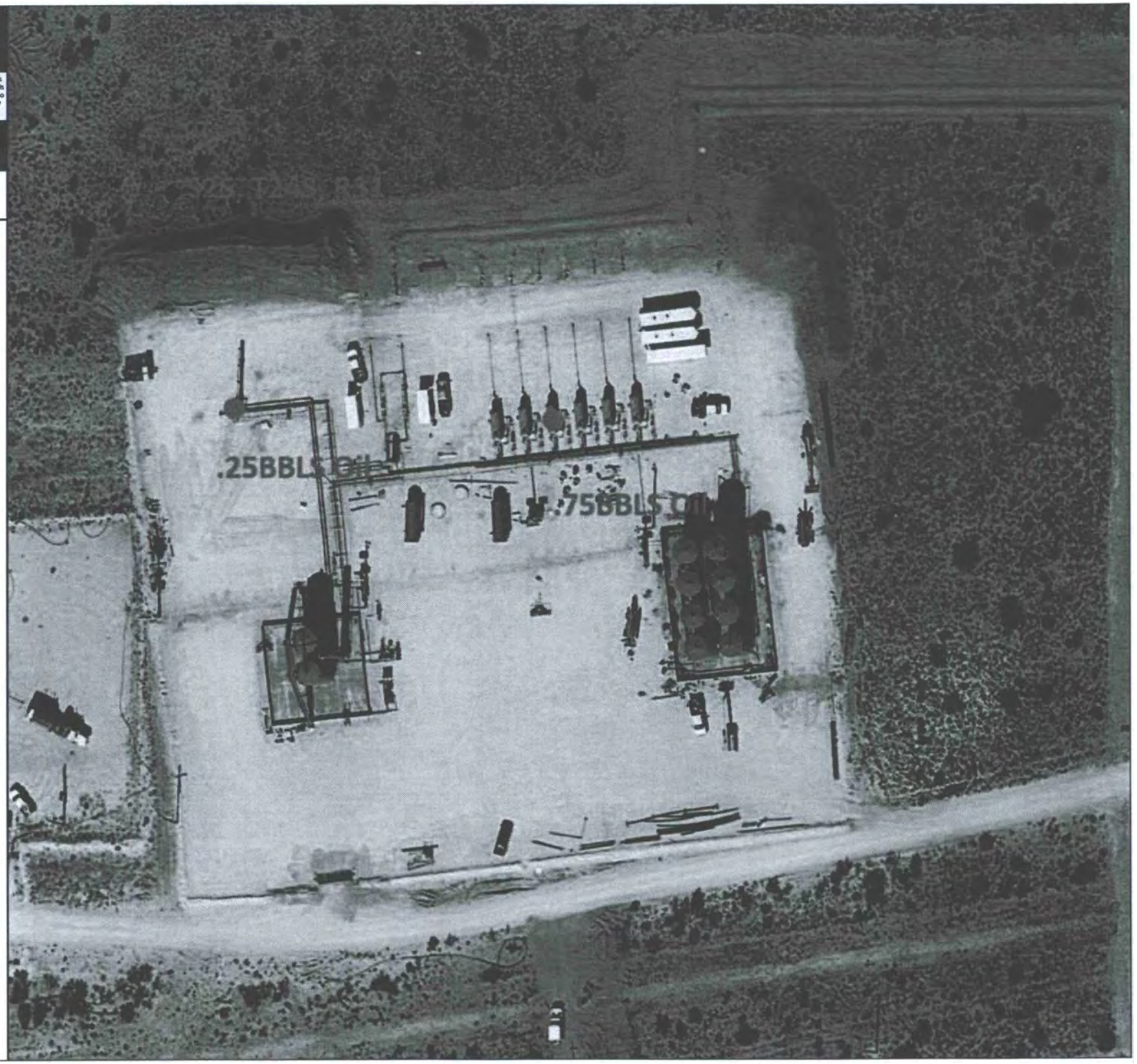
devon

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: Dana DeLaRosa
Map is current as of: 27-Feb-2018

N

Miles
0 0.00 0.01 0.02 1:889



Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dvn.com>
Sent: Wednesday, February 14, 2018 2:09 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Subject: Cotton Draw Unit 294 H (API #30-015-44105) Fire

Good Afternoon,

Devon had a fire and a 1 bbl release occur at 1:00 PM MST on 02/13/18. The incident is described below.

1. Cotton Draw Unit 294 H (API #30-015-44105) fire and 1 bbl spill occurred at the Cotton Draw Unit 25 Battery location. The center point of the Cotton Draw Unit 25 Battery is as follows (Lat:32.187533 N, Long:103.731879 W).
    a. The back psi valve failed causing the separator to overpressure which caused the sight glass to fail and fluids were then released to the ground (approximately ¾ bbl). A mist of oil was also sent out the flare line and through the flare causing a small fire near the base of the flare (approximately ¼ bbl). Personnel were on location when the incident occurred and the fire was immediately extinguished using personal fire extinguishers. There were no injuries to personnel. This notification is being made because of the fire aspects of this incident.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

If you have any questions please let me know.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile

devon

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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?	51-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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: 8/2/2023

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

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1805851923
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.***

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] 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)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] 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: 8/2/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 08/03/2023

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

Closure Approved by: Date: 08/08/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: sebastian@pimaoil.com
To: ocdonline@state.nm.us
Cc: tom@pimaoil.com; Polly@pimaoil.com; "Gio PimaOil"
Subject: Cotton Draw Unit 294H - 48 Hour Notification
Date: Friday, July 21, 2023 2:09:34 PM
Attachments: image001.png

Good afternoon,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Cotton Draw Unit 294H (NAB1805851923), on Monday July 24, 2023. Pima personnel will be on location at 8 am. Thank you.

Respectfully,
Sebastian Orozco
Project Manager
5614 N Lovington Hwy,
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell

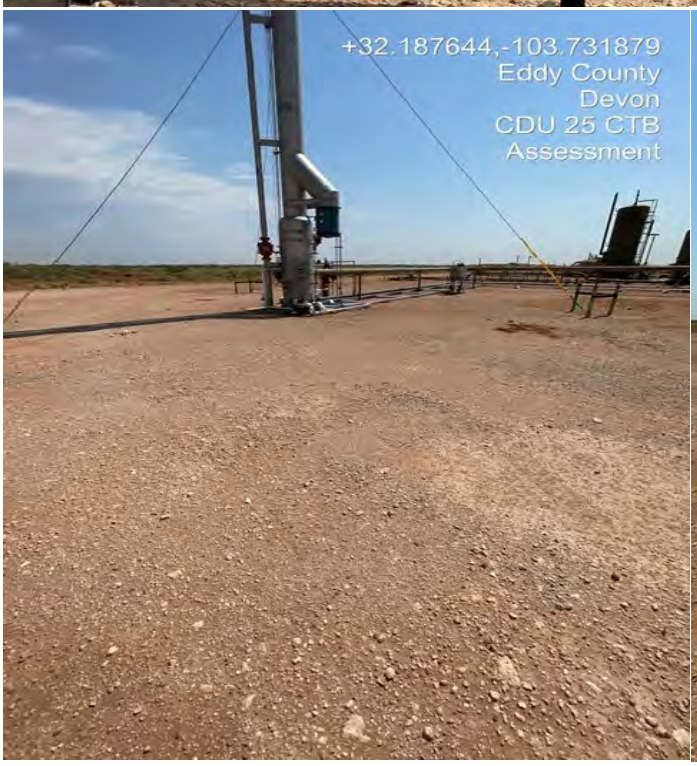
Pima Environmental Services

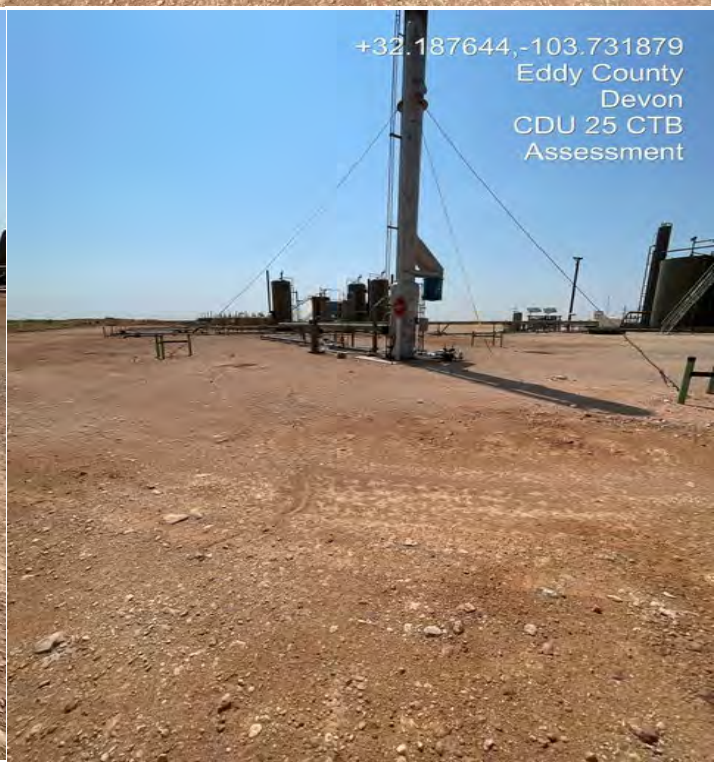
Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT 294H (CDU 25 CTB)

Site Assessment





Excavation


+32.187858,-103.732530
Eddy County
Devon
Cotton Draw Unit 294 (CTB 25)
Excavation


+32.187858,-103.732530
Eddy County
Devon
Cotton Draw Unit 294 (CTB 25)
Excavation


+32.187858,-103.732530
Eddy County
Devon
Cotton Draw Unit 294 (CTB 25)
Excavation


+32.187858,-103.732530
Eddy County
Devon
Cotton Draw Unit 294 (CTB 25)
Excavation

Post Excavation

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Cotton Draw Unit 294H
Work Order:	E306206
Job Number:	01058-0007
Received:	6/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/5/23

Date Reported: 7/5/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 294H
Workorder: E306206
Date Received: 6/27/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2023 8:00:00AM, under the Project Name: Cotton Draw Unit 294H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 294H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/05/23 08:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306206-01A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S1 - 3'	E306206-02A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S1 - 4'	E306206-03A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S2 - 1'	E306206-04A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S2 - 3'	E306206-05A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S2 - 4'	E306206-06A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S3 - 1'	E306206-07A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S3 - 3'	E306206-08A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S3 - 4'	E306206-09A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S4 - 1'	E306206-10A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S4 - 3'	E306206-11A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S4 - 4'	E306206-12A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S5 - 1'	E306206-13A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S5 - 3'	E306206-14A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S5 - 4'	E306206-15A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S6 - 1'	E306206-16A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S6 - 3'	E306206-17A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S6 - 4'	E306206-18A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S7 - 1'	E306206-19A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S7 - 3'	E306206-20A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
S7 - 4'	E306206-21A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
SW1	E306206-22A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
SW2	E306206-23A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
SW3	E306206-24A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
SW4	E306206-25A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.
SW5	E306206-26A	Soil	06/23/23	06/27/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S1 - 1'

E306206-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S1 - 3'

E306206-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*80.9 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S1 - 4'

E306206-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S2 - 1'

E306206-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	**1720**	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	**1090**	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S2 - 3'

E306206-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*76.7 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S2 - 4'

E306206-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	**88.7**	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*75.5 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S3 - 1'

E306206-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*76.1 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	**20.4**	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S3 - 3'

E306206-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/29/23	
Surrogate: n-Nonane		*79.0 %*	*50-200*	*06/29/23*	*06/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	**44.8**	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S3 - 4'

E306206-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*81.8 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	**23.8**	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S4 - 1'

E306206-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*80.3 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S4 - 3'

E306206-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*75.9 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S4 - 4'

E306206-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*79.5 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S5 - 1'

E306206-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*76.0 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S5 - 3'

E306206-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*78.8 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S5 - 4'

E306206-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.6 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	**44.6**	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*73.9 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S6 - 1'

E306206-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.6 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*79.4 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S6 - 3'

E306206-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/30/23	
Toluene	ND	0.0250	1	06/27/23	06/30/23	
o-Xylene	ND	0.0250	1	06/27/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.6 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*76.4 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S6 - 4'

E306206-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/30/23	
Toluene	ND	0.0250	1	06/27/23	06/30/23	
o-Xylene	ND	0.0250	1	06/27/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*79.7 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S7 - 1'

E306206-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/30/23	
Toluene	ND	0.0250	1	06/27/23	06/30/23	
o-Xylene	ND	0.0250	1	06/27/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S7 - 3'

E306206-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Benzene	ND	0.0250	1	06/27/23	06/30/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/30/23	
Toluene	ND	0.0250	1	06/27/23	06/30/23	
o-Xylene	ND	0.0250	1	06/27/23	06/30/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/30/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*06/27/23*	*06/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*81.5 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326043
Chloride	ND	20.0	1	06/28/23	06/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

S7 - 4'

E306206-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/28/23	
Toluene	ND	0.0250	1	06/27/23	06/28/23	
o-Xylene	ND	0.0250	1	06/27/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*06/27/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*06/27/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*75.6 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

SW1

E306206-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/28/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/28/23	
Toluene	ND	0.0250	1	06/27/23	06/28/23	
o-Xylene	ND	0.0250	1	06/27/23	06/28/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/28/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*06/27/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*06/27/23*	*06/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*85.0 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

SW2

E306206-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*73.6 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

SW3

E306206-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*87.6 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

SW4

E306206-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

SW5

E306206-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Benzene	ND	0.0250	1	06/27/23	06/29/23	
Ethylbenzene	ND	0.0250	1	06/27/23	06/29/23	
Toluene	ND	0.0250	1	06/27/23	06/29/23	
o-Xylene	ND	0.0250	1	06/27/23	06/29/23	
p,m-Xylene	ND	0.0500	1	06/27/23	06/29/23	
Total Xylenes	ND	0.0250	1	06/27/23	06/29/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2326030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/23	06/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*06/27/23*	*06/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2326074
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/23	06/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/23	06/30/23	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*06/29/23*	*06/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2326044
Chloride	ND	20.0	1	06/28/23	06/28/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326029-BLK1)									Prepared: 06/27/23 Analyzed: 06/29/23
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: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			
LCS (2326029-BS1)									Prepared: 06/27/23 Analyzed: 06/29/23
Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.75	0.0250	5.00		94.9	70-130			
Toluene	4.89	0.0250	5.00		97.9	70-130			
o-Xylene	4.89	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2326029-MS1)				**Source: E306206-05**					Prepared: 06/27/23 Analyzed: 06/29/23
Benzene	4.73	0.0250	5.00	ND	94.7	54-133			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.1	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2326029-MSD1)				**Source: E306206-05**					Prepared: 06/27/23 Analyzed: 06/29/23
Benzene	4.58	0.0250	5.00	ND	91.5	54-133	3.39	20	
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	61-133	3.29	20	
Toluene	4.63	0.0250	5.00	ND	92.7	61-130	3.29	20	
o-Xylene	4.66	0.0250	5.00	ND	93.2	63-131	3.00	20	
p,m-Xylene	9.28	0.0500	10.0	ND	92.8	63-131	3.39	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.9	63-131	3.26	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326030-BLK1)									Prepared: 06/27/23 Analyzed: 06/28/23
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: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.1*	*70-130*			
LCS (2326030-BS1)									Prepared: 06/27/23 Analyzed: 06/28/23
Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.5	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	14.0	0.0250	15.0		93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.8*	*70-130*			
Matrix Spike (2326030-MS1)				**Source: E306205-26**					Prepared: 06/27/23 Analyzed: 06/28/23
Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133			
Toluene	4.86	0.0250	5.00	ND	97.2	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike Dup (2326030-MSD1)				**Source: E306205-26**					Prepared: 06/27/23 Analyzed: 06/28/23
Benzene	4.80	0.0250	5.00	ND	95.9	54-133	0.848	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133	0.668	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	0.694	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131	0.876	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	0.719	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	0.771	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326029-BLK1)									Prepared: 06/27/23 Analyzed: 06/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.02*		*8.00*		*87.7*	*70-130*			
LCS (2326029-BS2)									Prepared: 06/27/23 Analyzed: 06/29/23
Gasoline Range Organics (C6-C10)	39.5	20.0	50.0		78.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.96*		*8.00*		*87.1*	*70-130*			
Matrix Spike (2326029-MS2)				**Source: E306206-05**					Prepared: 06/27/23 Analyzed: 06/29/23
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.2*	*70-130*			
Matrix Spike Dup (2326029-MSD2)				**Source: E306206-05**					Prepared: 06/27/23 Analyzed: 06/29/23
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.5	70-130	1.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326030-BLK1)									Prepared: 06/27/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2326030-BS2)									Prepared: 06/27/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
Matrix Spike (2326030-MS2)				**Source: E306205-26**					Prepared: 06/27/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.14*		*8.00*		*89.2*	*70-130*			
Matrix Spike Dup (2326030-MSD2)				**Source: E306205-26**					Prepared: 06/27/23 Analyzed: 06/28/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	1.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326073-BLK1)									Prepared: 06/29/23 Analyzed: 06/29/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.8*		*50.0*		*87.6*	*50-200*			
LCS (2326073-BS1)									Prepared: 06/29/23 Analyzed: 06/29/23
Diesel Range Organics (C10-C28)	233	25.0	250		93.1	38-132			
Surrogate: n-Nonane	*41.7*		*50.0*		*83.3*	*50-200*			
Matrix Spike (2326073-MS1)				**Source: E306206-10**					Prepared: 06/29/23 Analyzed: 06/29/23
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*36.7*		*50.0*		*73.4*	*50-200*			
Matrix Spike Dup (2326073-MSD1)				**Source: E306206-10**					Prepared: 06/29/23 Analyzed: 06/29/23
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	38-132	2.35	20	
Surrogate: n-Nonane	*37.3*		*50.0*		*74.6*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326074-BLK1)									Prepared: 06/29/23 Analyzed: 06/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.5*		*50.0*		*82.9*	*50-200*			
LCS (2326074-BS1)									Prepared: 06/29/23 Analyzed: 06/30/23
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	*39.6*		*50.0*		*79.3*	*50-200*			
Matrix Spike (2326074-MS1)				**Source: E306221-02**					Prepared: 06/29/23 Analyzed: 06/30/23
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132			
Surrogate: n-Nonane	*40.4*		*50.0*		*80.8*	*50-200*			
Matrix Spike Dup (2326074-MSD1)				**Source: E306221-02**					Prepared: 06/29/23 Analyzed: 06/30/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.8	38-132	2.36	20	
Surrogate: n-Nonane	*40.1*		*50.0*		*80.2*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326043-BLK1)									Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	ND	20.0							
LCS (2326043-BS1)									Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2326043-MS1)				**Source: E306206-01**					Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2326043-MSD1)				**Source: E306206-01**					Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	254	20.0	250	ND	102	80-120	0.420	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/5/2023 8:41:39AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2326044-BLK1)									Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	ND	20.0							
LCS (2326044-BS1)									Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2326044-MS1)				**Source: E306205-21**					Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	291	20.0	250	39.1	101	80-120			
Matrix Spike Dup (2326044-MSD1)				**Source: E306205-21**					Prepared: 06/28/23 Analyzed: 06/28/23
Chloride	292	20.0	250	39.1	101	80-120	0.565	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 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/05/23 08:41

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 3

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Cotton Draw Unit 294H	Attention: Devon	Lab WO# E306206
Project Manager: Tom Bynum	Address:	Job Number 01058-0007
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 1-307	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

State					
NM	CO	UT	AZ	TX	.
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
8:00	6/23	S	1	S1-1'	1									X				
8:05				S1-3'	2													
8:10				S1-4'	3													
8:15				S2-1'	4													
8:20				S2-3'	5													
8:25				S2-4'	6													
8:30				S3-1'	7													
8:35				S3-3'	8													
8:40				S3-4'	9													
8:45				S4-1'	10													

Additional Instructions: WO# 21167462

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	6/26/23	200	Michelle Gonzales	6-26-23	1400
Michelle Gonzales	6-26-23	1645	Andrew Mussa	6-26-23	1730
Andrew Mussa	6-26-23	2330	Caitlin Man	6/27/23	8:00

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To
Project: Cotton Draw Unit 294H	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-307
Report due by:	

Lab Use Only: Lab WO# E3062060 | Job Number 1D1058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM X | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
8:50	6/23	S	1	S4 -3'	11	
8:55				S4 - 4'	12	
9:00				S5 - 1'	13	
9:05				S5 - 3'	14	
9:10				S5 - 4'	15	
9:15				S6 - 1'	16	
9:20				S6 - 3'	17	
9:25				S6 - 4'	18	
9:30				S7 - 1'	19	
9:35				S7 - 3'	20	

Additional Instructions: WO# 2167462

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Marine Adame	6/26/23	200	Michelle Gonzales	6-26-23	1400
Michelle Gonzales	6-26-23	1645	Andrew MSSO	6-26-23	1730
Andrew MSSO	6-26-23	2330	Caleb Mann	6/27/23	8:00

Lab Use Only: Received on ice: (Y) N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

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Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Cotton Draw Unit 294H
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: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 1-307

Lab Use Only
Lab WO# E306206 Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
9:46	6/23	S	1	S7-4'	21									X				
9:45				SW1	22													
9:50				SW2	23													
9:55				SW3	24													
10:00				SW4	25													
10:05				SW5	26													

Additional Instructions: WO# 21167462

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karine Adame	6/26/23	200	Michelle Gaytan	6-26-23	1400
Michelle Gaytan	6-26-23	1645	Andrew MVSSO	6-26-23	1730
Andrew MVSSO	6-26-23	2330	Faith Man	6/27/23	8:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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Envirotech Analytical Laboratory

Printed: 6/27/2023 4:09:12PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/27/23 08:00	Work Order ID:	E306206
Phone:	(575) 631-6977	Date Logged In:	06/27/23 08:42	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/05/23 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Cotton Draw Unit 294H
Work Order:	E307148
Job Number:	01058-0007
Received:	7/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/28/23

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: 7/28/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 294H
Workorder: E307148
Date Received: 7/27/2023 7:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/27/2023 7:10:00AM, under the Project Name: Cotton Draw Unit 294H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 294H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/23 13:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottom	E307148-01A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS2 Bottom	E307148-02A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW1	E307148-03A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW2	E307148-04A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW3	E307148-05A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW4	E307148-06A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CS1 Bottom

E307148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CS2 Bottom

E307148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CSW1

E307148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*91.5 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CSW2

E307148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CSW3

E307148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

CSW4

E307148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/27/23*	*07/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*07/27/23*	*07/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2330066-BLK1)									Prepared: 07/27/23 Analyzed: 07/27/23
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: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
LCS (2330066-BS1)									Prepared: 07/27/23 Analyzed: 07/27/23
Benzene	4.72	0.0250	5.00		94.4	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.3	70-130			
o-Xylene	4.78	0.0250	5.00		95.6	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2330066-MS1)				**Source: E307147-02**					Prepared: 07/27/23 Analyzed: 07/27/23
Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2330066-MSD1)				**Source: E307147-02**					Prepared: 07/27/23 Analyzed: 07/27/23
Benzene	4.95	0.0250	5.00	ND	98.9	54-133	1.06	20	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133	0.852	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	0.943	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	0.723	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.869	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.820	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2330066-BLK1)									Prepared: 07/27/23 Analyzed: 07/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.67*		*8.00*		*83.4*	*70-130*			
LCS (2330066-BS2)									Prepared: 07/27/23 Analyzed: 07/27/23
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
Matrix Spike (2330066-MS2)				**Source: E307147-02**					Prepared: 07/27/23 Analyzed: 07/27/23
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.75*		*8.00*		*84.3*	*70-130*			
Matrix Spike Dup (2330066-MSD2)				**Source: E307147-02**					Prepared: 07/27/23 Analyzed: 07/27/23
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.5	70-130	0.177	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.70*		*8.00*		*83.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2330067-BLK1)									Prepared: 07/27/23 Analyzed: 07/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*50-200*			
LCS (2330067-BS1)									Prepared: 07/27/23 Analyzed: 07/27/23
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			
Matrix Spike (2330067-MS1)				**Source: E307147-01**					Prepared: 07/27/23 Analyzed: 07/27/23
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*97.9*	*50-200*			
Matrix Spike Dup (2330067-MSD1)				**Source: E307147-01**					Prepared: 07/27/23 Analyzed: 07/27/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.317	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 294H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:22:30PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2330071-BLK1)									Prepared: 07/27/23 Analyzed: 07/27/23
Chloride	ND	20.0							
LCS (2330071-BS1)									Prepared: 07/27/23 Analyzed: 07/27/23
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2330071-MS1)				**Source: E307147-01**					Prepared: 07/27/23 Analyzed: 07/27/23
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2330071-MSD1)				**Source: E307147-01**					Prepared: 07/27/23 Analyzed: 07/27/23
Chloride	260	20.0	250	ND	104	80-120	0.322	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 294H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/23 13:22

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Cotton Draw 294H
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: Dexon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 307

Lab Use Only
Lab WO# E307148
Job Number 01058-0007

TAT: 1D [X] | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM [✓] | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			Remarks
1:00	7/24	S	1	CS1 } Bottom	1								✓				
1:05	|	|	|	CS2 } Bottom	2								|				
1:10	|	|	|	CSW1	3								|				
1:15	|	|	|	CSW2	4								|				
1:20	|	|	|	CSW3	5								|				
1:25 PM	|	|	|	CSW4	6								|				

Additional Instructions: Billing # 2116 7462

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 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	7/26/23	3:00	Michelle Gonzales	7-26-23	1500
Michelle Gonzales	7-26-23	1715	[signature] MSS20	7-26-23	1715
[signature] MSS0	7-26-23	2345	[signature] R. Hell	7/27/23	0710

Lab Use Only
Received on ice: (Y) / N
T1 ______ T2 ______ T3 ______
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/27/2023 9:08:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/27/23 07:10	Work Order ID:	E307148
Phone:	(575) 631-6977	Date Logged In:	07/26/23 16:06	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/27/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°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 filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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 247329

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 247329
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/8/2023