Volume calculator

There was no volume calculator prepared when the spill occurred.

Devon Energy Production Company, LP 6488 Seven Rivers Hwy Artesia, NM 88210 575-748-0167

June 7, 2024

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

Bureau of Land Management 620 E Green St. Carlsbad, NM 88220

Re: Remediation Closure Report

Cotton Draw Unit 171H API No. 30-015-42503

GPS: Latitude 32.1526200 Longitude -103.7320907

ULSTR - N - 1 - 25S - 31E 200FSL 2480FWL

NMOCD Incident ID nAB1508251701

Eddy County, NM

This release was initially discovered on March 19, 2015. An initial C-141 form was submitted on March 23, 2018, and accepted by the NMOCD (OCD Online: Permitting -> Incident Details -> Incident Files). This incident was assigned Incident ID nAB1508251701, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

Site information and characterization documents can be found in the most recent, previously denied Remediation Closure Report located in OCD Online: Permitting – Application ID: 280716.

Release Information

<u>NAB1508251701</u>: On March 19, 2015, Failure to equalize frac tanks resulted in an overflow of a mix of 52 barrels (bbls) of produced water and 1 barrel of crude oil. Opening the equalizing line stopped the overflow. A vacuum truck was called and recovered approximately 44 bbls of standing fluid.

Countermeasures Due to Rejected Closure Report: (Application 215418)

On March 4, 2024, the NMOCD denied the remediation closure report citing:

"The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1508251701, for the following reasons:

• The Closure Report is Denied. This is an old legacy release that occurred in March of 2015. Sampling to a depth of 4 feet is not sufficient to verify chlorides. A 52-barrel release is a very large release and needs to be explored more thoroughly. Chlorides most likely moved down the soil column over the years. The OCD requests two boreholes be advanced in the release area in 1-foot increments down to a depth of 10 feet. The first borehole should be advanced near soil sample location S-5 and the second should be advanced near soil sample location S-1.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 280716. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

According to the original release description, a total of 53 bbls of fluid was released onto this pad, and a total of 44 bbls of standing fluid was recovered. The approximate amount of fluid that has absorbed into the soil is 9 bbls, not 52 bbls.

On March 13, 2024, Pima, along with the Devon construction department, mobilized personnel and equipment to the site to begin advancing the requested boreholes. A backhoe was used to dig down in 1' increments so that a sample could be collected from

each foot. The hole CS1 was dug at the site of the original sample point S1. The hole CS5 was dug at the site of the original sample point S5. Each hole was advanced to the required 10' bgs, and samples were collected from each foot. A total of 20 samples were collected, put on ice, jarred, and delivered to the lab for official testing. All samples were tested for all constituents. A Lab Sample Results table can be found in Figure 1. The corresponding Borehole Map can be found in Figure 2. A complete Laboratory Report can be found in Appendix C.

Photographic Documentation can be found in Appendix B.

Approval Request

The laboratory results of this sampling event show the contaminants in this release area to be under the regulatory limits as per Table 1 19.15.29 NMAC. On behalf of Devon, Pima requests that this Remediation Closure Report for incident ID# nAB1508251701 be approved. Devon has complied with the applicable closure requirements outlined in rule 19.15.29.12 NMAC.

Should you have any questions or need additional information, please feel free to contact: Devon Energy Production – Dale Woodall at 575-748-0167 or dale.woodall@dvn.com. Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Lab Sample Results Table
- 2- Borehole Map

Appendices:

Appendix A – 48-Hour Notification & NMOCD Email Correspondence

Appendix B - Photographic Documentation

Appendix C – Laboratory Report

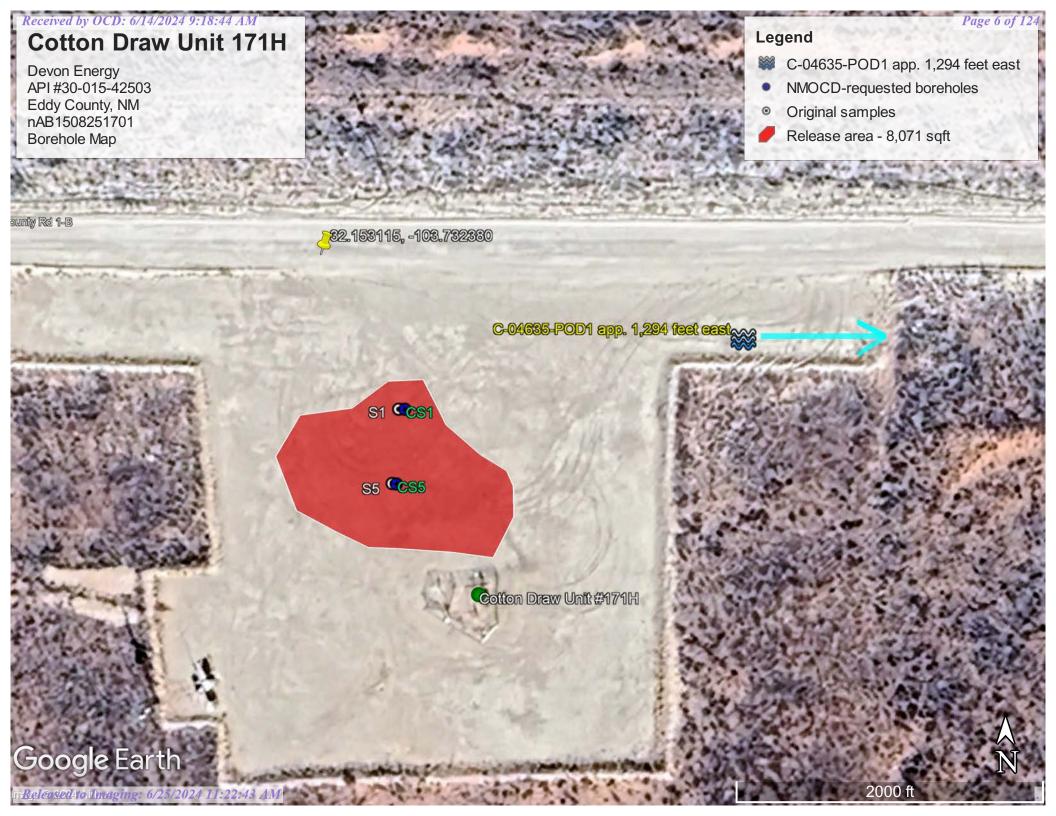


Figures:

1 - Lab Sample Results Table

2 - Borehole Map

NM	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')											
	D	EVON ENE	RGY - COTT	ON DRAW	/ 171H - nAB	315082517	01					
Date: 3/13	/24		NM Approved Laboratory Results									
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl				
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
	1'	ND	ND	ND	ND	ND	0	ND				
	2'	ND	ND	ND	ND	ND	0	ND				
	3'	ND	ND	ND	ND	ND	0	ND				
	4'	ND	ND	ND	ND	ND	0	ND				
CS1	5'	ND	ND	ND	ND	ND	0	ND				
031	6'	ND	ND	ND	ND	ND	0	ND				
	7'	ND	ND	ND	ND	ND	0	ND				
	8'	ND	ND	ND	ND	ND	0	ND				
	9'	ND	ND	ND	ND	ND	0	ND				
	10'	ND	ND	ND	ND	ND	0	ND				
	1'	ND	ND	ND	ND	ND	0	ND				
	2'	ND	ND	ND	ND	ND	0	ND				
	3'	ND	ND	ND	ND	ND	0	ND				
	4'	ND	ND	ND	ND	ND	0	ND				
CS5	5'	ND	ND	ND	ND	ND	0	ND				
CSS	6'	ND	ND	ND	ND	ND	0	ND				
	7'	ND	ND	ND	ND	ND	0	ND				
	8'	ND	ND	ND	ND	ND	0	ND				
	9'	ND	ND	ND	ND	ND	0	ND				
	10'	ND	ND	ND	ND	ND	0	ND				





Appendix A

48-Hour Notification

NMOCD Correspondence

lynsey@pimaoil.com

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Monday, March 11, 2024 9:47 AM
To: 'Gio PimaOil'; Lynsey Pima Oil

Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application,

Application ID: 322026

Dale Woodall
Environmental Professional
Hobbs. NM

Office: 575-748-1838 Mobile: 405-318-4697 Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Monday, March 11, 2024 9:44 AM **To:** Woodall, Dale < Dale. Woodall@dvn.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322026

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1508251701.

The sampling event is expected to take place:

When: 03/13/2024 @ 08:00

Where: N-01-25S-31E 200 FSL 2480 FWL (32.1520689,-103.7315342)

Additional Information: Andrew Franco -806-200-0054

Additional Instructions: (32.1526200,-103.7320907 NAD83)

From the intersection of County Rd 1 (Orla Rd) and Monsanto Ln, travel West on Monsanto Ln for 2.08 miles, turn North on lease Rd for 2.03 miles, turn West on lease rd for 1.67 miles, arriving at location on the left.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive

Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

SIGN-IN HELP

Searches

Operator Data

Hearing Fee Application

OCD Permitting

Home

Operator Data

Action Status

Action Search Results

Action Status Item Details

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID: 280716

Districts:

Artesia

Operator:

[6137] DEVON ENERGY PRODUCTION COMPANY, LP

Counties:

Eddy

Description:

DEVON ENERGY PRODUCTION COMPANY, LP [6137]

, COTTON DRAW UNIT #171H

, nAB1508251701

Status:

REJECTED

Status Date:

03/04/2024

References (2):

30-015-42503, nAB1508251701

Forms

Attachments:

C-141

Scaled Site Map

Questions

This submission type does not have questions, at this time.

SIGN-IN HELP

Searches **Operator Data Hearing Fee Application** Comments No comments found for this submission. **Conditions** No conditions found for this submission. Reasons Summary: rhamlet (3/4/2024), The Closure Report is Denied. This is an old legacy release that occurred in March of 2015. Sampling to a depth of 4 feet is not sufficient to verify chlorides. A 52-barrel release is a very large release and needs to be explored more thoroughly. Chlorides most likely moved down the soil column over the years. The OCD requests two boreholes be advanced in the release area in 1-foot increments down to a depth of 10 feet. The first borehole should be advanced near soil sample location S-5 and the second should be advanced near soil sample location S-1.

Go Back

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EMNRD Home OCD Main Page OCD Rules Help



Appendix B

Photographic Documentation



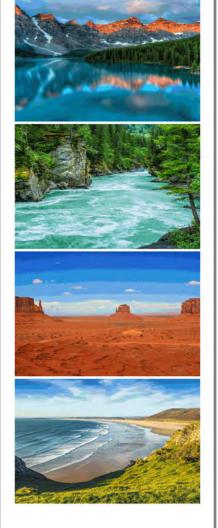




Appendix C

Laboratory Report

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 171H

Work Order: E403127

Job Number: 01058-0007

Received: 3/14/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/15/24

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: 3/15/24

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw Unit 171H

Workorder: E403127

Date Received: 3/14/2024 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2024 7:30:00AM, under the Project Name: Cotton Draw Unit 171H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 171H 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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Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1-1'	6
CS1-2'	7
CS1-3'	8
CS1-4'	9
CS1-5'	10
CS1-6'	11
CS1-7'	12
CS1-8'	13
CS1-9'	14
CS1-10'	15
CS5-1'	16
CS5 -2'	17
CS5 -3'	18
CS5 -4'	19
CS5 -5'	20
CS5 -6'	21
CS5 -7'	22
CS5 -8'	23
CS5 -9'	24
CS5 -10'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/15/24 15:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-1'	E403127-01A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-2'	E403127-02A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-3'	E403127-03A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-4'	E403127-04A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-5'	E403127-05A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-6'	E403127-06A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-7'	E403127-07A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-8'	E403127-08A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-9'	E403127-09A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS1-10'	E403127-10A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5-1'	E403127-11A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -2'	E403127-12A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -3'	E403127-13A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -4'	E403127-14A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -5'	E403127-15A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -6'	E403127-16A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -7'	E403127-17A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -8'	E403127-18A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -9'	E403127-19A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.
CS5 -10'	E403127-20A	Soil	03/13/24	03/14/24	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-1' E403127-01

	E403127-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	103 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Analy	st: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	89.1 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	97.1 %	50-200	03/14/24	03/14/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2411117
ND	20.0	1	03/14/24	03/14/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO3 % mg/kg mg/kg mg/kg ND 20.0 89.1 % mg/kg ND 25.0 ND 50.0 97.1 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 89.1 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 97.1 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 ND 25.0 1 03/14/24 ND 50.0 1 03/14/24 ND 50.0 1 03/14/24 mg/kg Mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 Mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24 ND 25.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0 0 0

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-2'

E403127-02						
	Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		99.6 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-3'

E403127-03

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	98.7 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	89.2 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	93.3 %	50-200	03/14/24	03/14/24	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2411117
mg/kg	mg/kg	1 1110	1,50.11		Battern 2 (11111)
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 89.7 % mg/kg ND 20.0 89.2 % mg/kg ND 25.0 ND 50.0 93.3 %	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 89.2 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 93.3 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 ND 25.0 1 03/14/24 ND 50.0 1 03/14/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 98.7 % 70-130 03/14/24 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 89.2 % 70-130 03/14/24 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-4'

E403127-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		93.7 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-5' E403127-05

Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: BA Batch: 2411102 mg/kg mg/kg Volatile Organics by EPA 8021B 03/14/24 03/14/24 ND 0.0250 Benzene 1 03/14/24 03/14/24 Ethylbenzene ND 0.0250ND 0.02501 03/14/24 03/14/24 Toluene 1 03/14/24 03/14/24 o-Xylene ND 0.02501 03/14/24 03/14/24 ND 0.0500 p,m-Xylene 03/14/24 03/14/24 1 Total Xylenes ND 0.025003/14/24 03/14/24 98.1 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2411102 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 03/14/24 03/14/24 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 88.8 % 03/14/24 03/14/24 70-130 mg/kg mg/kg Analyst: KM Batch: 2411105 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 03/14/24 03/14/24

50.0

mg/kg

20.0

97.4 %

03/14/24

03/14/24

03/14/24

1

1

Analyst: IY

50-200

03/14/24

03/14/24

03/14/24

Batch: 2411117

ND

mg/kg

ND



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-6'

E403127-06						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		95.6 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-7'

E403127-07

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		99.2 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	•



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-8'

E403127-08

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		102 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-9'

E40	31	27-	-09

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		91.4 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS1-10' E403127-10

		E403127-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Dilution	Trepared	7 thaty zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		101 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5-1'

E403127-11

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	93.5 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	95.0 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	An	alyst: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	80.5 %	50-200	03/14/24	03/14/24	
	00.5 /0				
mg/kg	mg/kg		alyst: IY		Batch: 2411117
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 95.0 % mg/kg ND 25.0 ND 25.0	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg An ND 20.0 1 95.0 % 70-130 mg/kg mg/kg mg/kg An ND 25.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 mg/kg mg/kg Analyst: KM mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 mg/kg mg/kg Analyst: BA ND 25.0 % 70-130 03/14/24 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -2'

E403127-1	2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		75.4 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2411117
· · · · · · · · · · · · · · · · · · ·	ND			03/14/24	03/14/24	



Chloride

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -3' E403127-13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	03/14/24	03/14/24	

Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	_	Analyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		81.4 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2411117

20.0

ND

03/14/24

03/14/24

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -4'

E403127-14

		Reporting			
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	94.4 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	94.6 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	81.3 %	50-200	03/14/24	03/14/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2411117
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 94.6 % mg/kg MB/kg mg/kg ND 25.0	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 94.6 % 70-130 mg/kg mg/kg Anal ND 25.0 1	mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24	mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 94.4 % 70-130 03/14/24 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 mg/kg 70-130 03/14/24 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -5'

E403127-15						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2411102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411105	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		77.2 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	

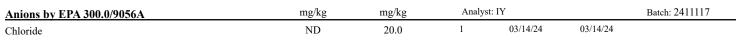


Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -6' E403127-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	t: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	

Gasoline Range Organics (C6-C10)	ND	20.0		1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130		03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	M		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0		1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/14/24	03/14/24	
Surrogate: n-Nonane		78.4 %	50-200		03/14/24	03/14/24	
Anions by EPA 300 0/9056A	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2411117



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -7'

E403127-17

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		80.1 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	•



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -8'

E403127-18

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	92.8 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	96.4 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	75.8 %	50-200	03/14/24	03/14/24	
ma/ka	mg/kg	Ana	lyst: IY		Batch: 2411117
mg/kg	mg/kg		1,50.11		Butch: 2 111111
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 92.8 % mg/kg MD 20.0 96.4 % mg/kg ND 25.0 ND 50.0 75.8 %	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 MD 20.0 1 Mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 75.8 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 ND 25.0 1 03/14/24 ND 50.0 1 03/14/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 ND 50.0 <



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -9'

E403127-19						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411102
Benzene	ND	0.0250	1	03/14/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/14/24	
Toluene	ND	0.0250	1	03/14/24	03/14/24	
o-Xylene	ND	0.0250	1	03/14/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411102
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	03/14/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2411105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/24	03/14/24	
Surrogate: n-Nonane		75.3 %	50-200	03/14/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2411117
Chloride	ND	20.0	1	03/14/24	03/14/24	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

CS5 -10' E403127-20

Result	Reporting				
Pocult					
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2411102
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
ND	0.0500	1	03/14/24	03/14/24	
ND	0.0250	1	03/14/24	03/14/24	
	94.3 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2411102
ND	20.0	1	03/14/24	03/14/24	
	94.6 %	70-130	03/14/24	03/14/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2411105
ND	25.0	1	03/14/24	03/14/24	
ND	50.0	1	03/14/24	03/14/24	
	77.7 %	50-200	03/14/24	03/14/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2411117
ND	20.0	1	03/14/24	03/14/24	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg ND 20.0 94.6 % mg/kg ND 25.0 ND 50.0 77.7 % mg/kg mg/kg mg/kg	ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 MD 20.0 1 MD 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 77.7 % 50-200 mg/kg mg/kg Analy	ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0250 1 03/14/24 ND 0.0500 1 03/14/24 ND 0.0250 1 03/14/24 mg/kg Manalyst: BA ND 20.0 1 03/14/24 mg/kg Manalyst: KM ND 25.0 1 03/14/24 ND 25.0 1 03/14/24 ND 50.0 1 03/14/24 ND 50.0 1 03/14/24 ND 50.0 1 03/14/24 ND 50.0 1 03/14/24 Mg/kg mg/kg Analyst: KM	ND 0.0250 1 03/14/24 03/14/24 ND 0.0500 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 ND 0.0250 1 03/14/24 03/14/24 MD 0.0250 1 03/14/24 03/14/24 MD 0.0250 1 03/14/24 03/14/24 MB/kg mg/kg Analyst: BA ND 20.0 1 03/14/24 03/14/24 MB/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24 MB/kg mg/kg Analyst: KM ND 25.0 1 03/14/24 03/14/24 ND 50.0 1 03/14/24 03/14/24 MB/kg mg/kg Analyst: KM



QC Summary Data

Cotton Draw Unit 171H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 3/15/2024 3:31:21PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2411102-BLK1) Prepared: 03/14/24 Analyzed: 03/14/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.64 8.00 95.5 70-130 LCS (2411102-BS1) Prepared: 03/14/24 Analyzed: 03/14/24 5.02 100 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.84 0.0250 5.00 96.9 70-130 4.99 0.0250 5.00 99.8 70-130 Toluene o-Xylene 4.92 0.0250 5.00 98.4 70-130 9.89 10.0 70-130 0.0500 p.m-Xvlene 98.7 70-130 14.8 15.0 Total Xylenes 0.0250 8.00 96.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.72 Matrix Spike (2411102-MS1) Source: E403127-04 Prepared: 03/14/24 Analyzed: 03/14/24 5.17 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 5.01 0.0250 5.00 100 Toluene 5.16 0.0250 5.00 ND 103 61-130 5.09 ND 102 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.2 0.0500 10.0 ND 102 63-131 15.3 0.0250 15.0 ND 63-131 Total Xylenes 7.75 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.00 Matrix Spike Dup (2411102-MSD1) Source: E403127-04 Prepared: 03/14/24 Analyzed: 03/14/24 5.09 0.0250 5.00 ND 102 54-133 1.54 ND 61-133 0.987 4.96 0.0250 5.00 99.2 20 Ethylbenzene 61-130 Toluene 5.09 0.0250 5.00 ND 102 1.37 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

101

101

101

96.5

63-131

63-131

63-131

70-130

1.17

0.996

1.06

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.03

10.1

15.2

7.72

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cotton Draw Unit 171H 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				3/1	5/2024 3:31:21PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2411102-BLK1)							Prepared: 0	3/14/24 Anal	yzed: 03/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			
LCS (2411102-BS2)							Prepared: 0	3/14/24 Anal	yzed: 03/14/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			
Matrix Spike (2411102-MS2)				Source:	E403127-	04	Prepared: 0	3/14/24 Anal	yzed: 03/14/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			
Matrix Spike Dup (2411102-MSD2)				Source:	E403127-	04	Prepared: 0	3/14/24 Anal	yzed: 03/14/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.0	70-130	3.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2024 3:31:21PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					3/15/2024 3:31:21PM
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2411105-BLK1)							Prepared: 0	3/14/24 Ar	nalyzed: 03/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.2		50.0		104	50-200			
LCS (2411105-BS1)							Prepared: 0	3/14/24 Ar	nalyzed: 03/14/24
Diesel Range Organics (C10-C28)	292	25.0	250		117	38-132			
urrogate: n-Nonane	50.3		50.0		101	50-200			
LCS Dup (2411105-BSD1)							Prepared: 0	3/14/24 Ar	nalyzed: 03/14/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132	0.699	20	
Gurrogate: n-Nonane	51.0		50.0		102	50-200			



LCS Dup (2411117-BSD1)

Chloride

Prepared: 03/14/24 Analyzed: 03/14/24

20

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Cotton Draw Ur 01058-0007 Fom Bynum	it 171H				Reported: 3/15/2024 3:31:21PM
Fiams 1A, 79353-0247				300.0/9056A	<u> </u>				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411117-BLK1)							Prepared: 0	3/14/24 Ar	nalyzed: 03/14/24
Chloride	ND	20.0							
LCS (2411117-BS1)							Prepared: 0	3/14/24 Ar	nalyzed: 03/14/24
Chloride	243	20.0	250		97.2	90-110			

250

20.0

101

90-110

3.69

252

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 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/15/24 15:31

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: P	ma Envi	ronmen	tal Service	ces	Attention: Pevon				La	ab Us	se On	ly	. 0			TA	T		EPA F	rogram
Project: (lanager:	Gio Gor	Unit 17	<u> </u>	Attention: PEVON Address:		Lab \	NO#	312	77	7 0058-007			1D	2D	3D	Stand	ard	CWA	SDWA
	5614 N.				City, State, Zip		EL	103	511					X						
			И. 88240)	Phone:						Analy	sis and	Vietno	d T		Г	_			RCRA
	806-782-		10000		Email:		15	12									-		State	
	io@pim	aoil.com	1		Pima Project # R-235		y 8015	y 80.	п	0		0.0		-			NN	1 col	UT AZ	TX
Report du			P******		Fillia Project # 12 235		ROb	RO b	y 802	8260	6010	e 300		N	7		X	100	OT AL	1^
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос				Remarks	
8:15	3/13	5		CS1-1		(X						
3:21	\perp			CS1-2'		2								1						
3:33				CS/- 3'		3														
3:46				CS1- 4'		4							1							
8:59				CS/- 5'		5								1						
1:16				CS1- 6'		6								\dagger						
7:22				CSI- 7'		7								\parallel						
9:36				CS/-81		8		T						T						
1:48				CS1-9'		9								H						
1:56		-1		CS/- 10'		10								1						
Addition	al Instruc	tions:		E	11/1ing # 21164261			_												
(field samp	ler), attest to of collection	the validity	and authenti	city of this sample. I a	m aware that tampering with or intentionally mislabell	ing the sample	location			5	Samples packed in	requiring	thermal pr	eservat	ion must	than 5 °c	ved on ice th	ne day the	y are sample	d or received
Relinquishe	d by: (Signa	ture)	Date 3.	13.24 3	.02 Received by: (Signature) Suy	Date 3-13-2	4	ime	62			ved on		La	b Use	e Only		Jent days.		
Relinquishe	d by: (Signa	ture)) Date	324 Time	Received by: (Signature)	Date 3.13	T	ime	700		recei	veu on	ice:)/ N					
telinguishe	by: (Signa	iture) Y	Date	Time	Received by: (Signature)	Date 3-14-	T	ime 7:3			- 1	Гетр ^о	·	<u>T2</u>			<u>T3</u>			



ient: Pi	ma Envi	ronmen	al Servi	ces	Bill To						e On	ly				TA	T	EPA P	rogram
			Unit 17	"/H_	Attention: Devon		Lab	WO#	12	7	Job 1	Number	רוח	1D	2D	3D	Standard	CWA	SDWA
		Gio Gor Lovingt			Address: City, State, Zip		E	100	7.10			58-00 sis and N		X					RCRA
ty, State	, Zip Ho	bbs. NA	A. 88240)	Phone:						111011	313 4114 11							THE THE
	06-782-				Email:		015	015									78.00	State	
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Envirotech Analytical Laboratory

Printed: 3/14/2024 12:13:37PM

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. E403127 Pima Environmental Services-Carlsbad Date Received: 03/14/24 07:30 Work Order ID: Client: Alexa Michaels Logged In By: 03/13/24 17:10 Date Logged In: Phone: (575) 631-6977 03/14/24 17:00 (0 day TAT) Due Date: Email: tom@pimaoil.com 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? No Yes 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, Comments/Resolution i.e, 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) No. of containers and Sampled by not 6. Did the COC indicate standard TAT, or Expedited TAT? Yes documented on COC by client. Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA NA 16. Is the head space less than 6-8 mm (pea sized or less)? NΑ 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes 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.

envirotech Inc.



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

May 9th, 2023

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

Need BLM

Re: Site Assessment, Remediation, and Closure Report

Cotton Draw Unit 171H API No. 30-015-42503

GPS: Latitude 32.1526200 Longitude -103.7320907

UL -- N, Sec. 1, T25S, R31E

Eddy County, NM

NMOCD Ref. No. <u>NAB1508251701</u>

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 and produced water release that occurred at the Cotton Draw Unit 171H (CDU 171H). The initial C-141 was submitted on March 23rd, 2015 (Appendix C). This incident was assigned Incident ID nAB1508251701 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

CDU 171H is located approximately twenty-one (21) miles southeast of Malaga, NM. This spill site is in Unit N, Section 1, Township 25S, Range 31E, Latitude 32.1526200 Longitude -103.7320907, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Berino Complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the CDU 171H (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 135 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 390.27 feet BGS. The closest waterway is the Red Bluff Reservoir, located approximately 16.92 miles to the southwest of this location. See Appendix A for referenced water surveys.

	Table :	1 NMAC and Closure Ci	riteria 19.15.29		
Depth to		Cons	tituent & Limits		
Groundwater (Appendix A)	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

<u>NAB1508251701:</u> On March 19th, 2019, Devon personnel failed to equalize a frac tank which resulted in an overflow of a mix of 52 barrels of produced water and 1 barrel of crude oil. Devon personnel opened the equalizing line and stopped the overflow. The

released covered approximately 5400 square feet on the well pad. All released fluid remained on pad. The fluid released flowed in a southeastern direction from the point of origin on the northwest side of the well pad. A vac truck recovered 43 BBLS of produced water and 1 BBL of oil.

Remediation Activities, Site Assessment, and Soil Sampling Results

On July 8th, 2020, an initial work plan was submitted by HRL. The work plan was rejected due to lack of vertical and horizontal delineation, along with the use of field screening results as concrete proof of delineation. Thus, Pima Environmental will re assess the area to determine the current contamination levels. The previously submitted workplan can be found on the OCD incident page.

On January 16th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the area overlapping the release. Pima collected a total of twenty-one soil samples for laboratory analysis. Five bottom samples (S1-S5) were collected at depths of 1, 2 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. Two background samples (BG1 & BG2) were collected to determine natural occurring levels of chlorides located at the CDU 171. An initial site map can be found in Figure 4.

1-16-2023 Soil Sample Results

NM	OCD Table 1	Closure C	riteria 19.1	5.29 NMA	C (Depth to	Groundw	ater is 51-100)')						
		DE\	ON ENERG	Y - COTTO	N DRAW 17	1H								
Sample Date 1/16/2023	: :	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						
	1'	ND	ND	ND	ND	ND	0	537						
S-1	2'	ND	ND	ND	ND	ND	0	177						
	3'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	296						
S-2	2'	ND	ND	ND	ND	ND	0	177						
	3'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	74.5						
S-3	2'	ND	ND	ND	ND	ND	0	185						
	3'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	606						
S-4	2'	ND	ND	ND	ND	ND	0	181						
	3'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	406						
S-5	2'	ND	ND	ND	ND	ND	0	174						
	3'	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						
BG 1	6"	ND	ND	ND	ND	ND	0	ND						
BG 2	6"	ND	ND	ND	ND	ND	0	ND						

ND: Analyte Non-Detect

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

Closure Request

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

After careful review, Pima requests that this incident, NAB1508251701, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Sebastian Orozeo

Sebastian Orozco Environmental Professional Pima Environment Services, LLC

Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



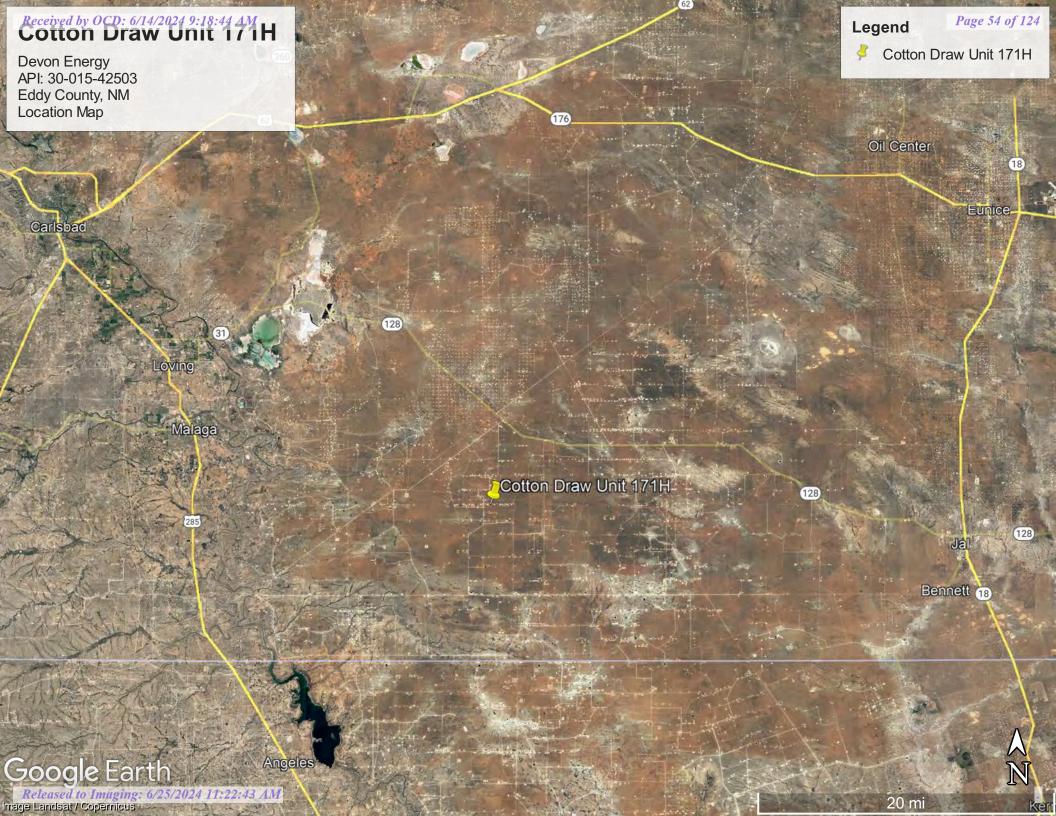
Figures:

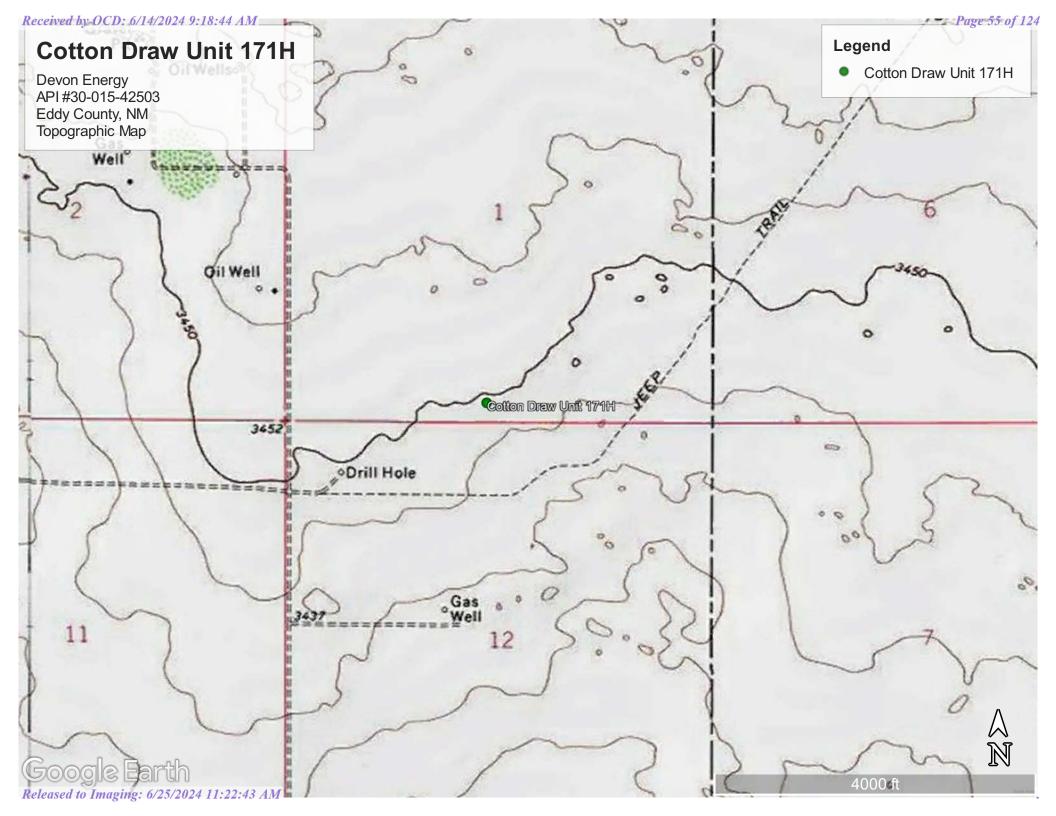
1-Location Map

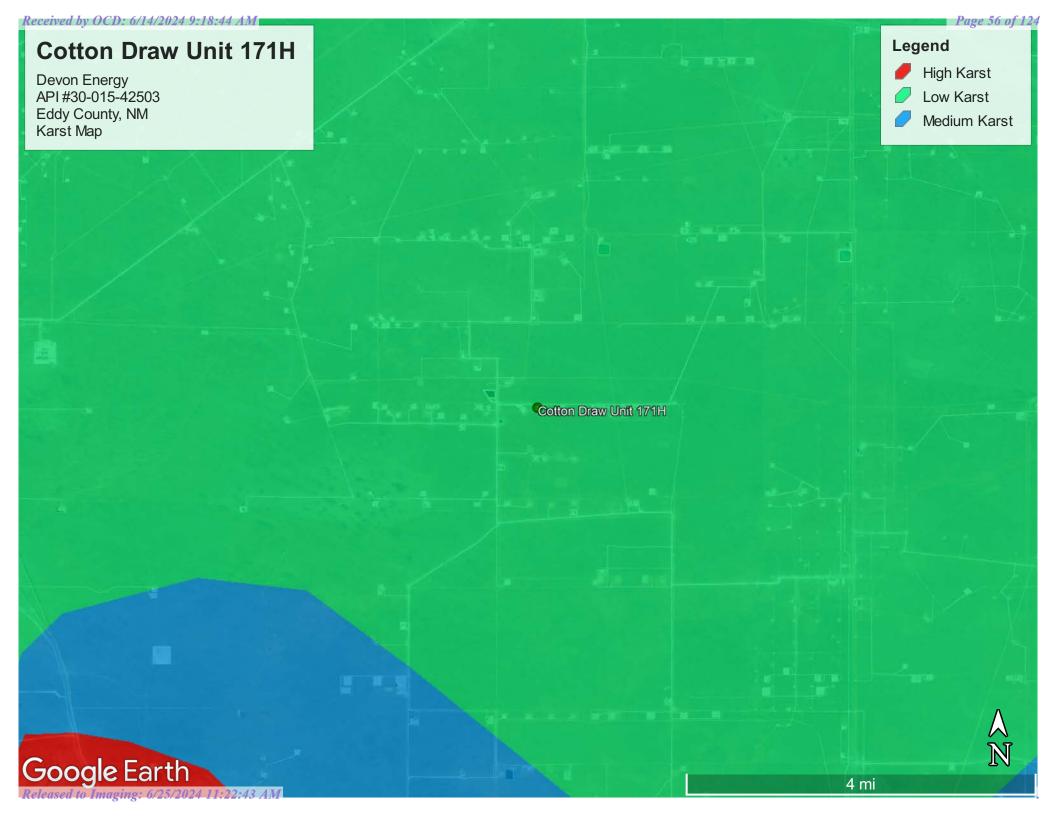
2-Topographic Map

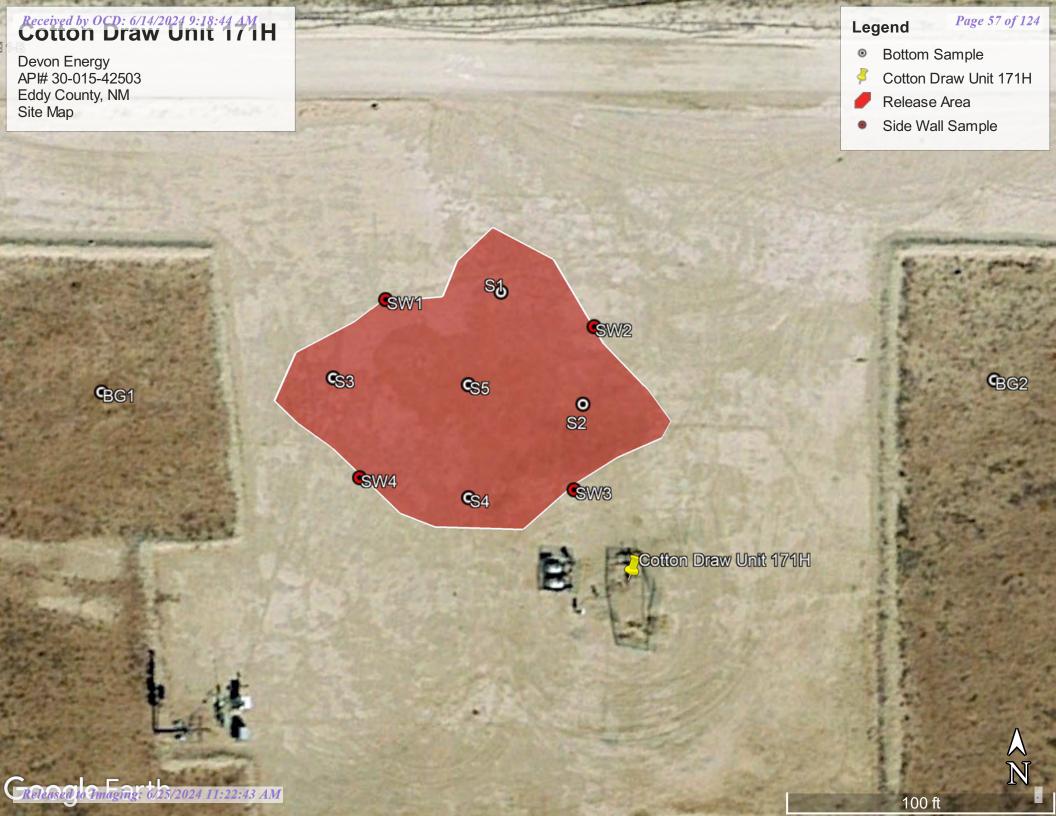
3-Karst Map

4-Site Map











Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD		_	_	^								
POD Number	Code	Sub- basin	County		Q 16		Sec	Tws	Rno	X	Y	DistanceDe	nthWellDer	Water othWater Column
C 04635 POD1	Couc	CUB	ED		3		01	25S	31E	619958	3558078	391	55	, the tytal column
<u>C 02568</u>		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	956	1025	
<u>C 02570</u>		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	965	895	
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	1007	450	
<u>C 02569</u>		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	1204	1016	
<u>C 02573</u>		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	1487		
<u>C 02572</u>		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	1514	852	
<u>C 02571</u>		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	1777	860	
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	1878	55	
<u>C 02574</u>		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	2059		
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	2766	55	
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674	3117	55	
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E	619764	3561226	3176	55	
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E	619200	3561279	3244		
C 04643 POD1		C	ED	4	2	2	05	23S	27E	619200	3561279	3244	305	135 170
C 04618 POD1		CUB	LE	3	4	3	18	25S	32E	621041	3554886	3495	55	
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170	3796		

Average Depth to Water: 135 feet

Minimum Depth: 135 feet

Maximum Depth: 135 feet

Record Count: 17

<u>UTMNAD83 Radius Search (in meters):</u>

Easting (X): 619567.14 **Northing (Y):** 3558056.2 **Radius:** 5000

*UTM location was derived from PLSS - see Help

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

5/9/23 10:21 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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 619958

NA C 04635 POD1

01 25S 31E 3558078

Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

JACKIE D ATKINS

06/08/2022

Drill Finish Date:

06/08/2022

Plug Date:

06/14/2022

Drill Start Date: Log File Date:

06/16/2022

PCW Rcv Date:

Source:

Estimated Yield:

Pump Type: Casing Size: Pipe Discharge Size: Depth Well:

55 feet

Depth Water:

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

1/4/23 10:28 AM

POINT OF DIVERSION SUMMARY



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Geographic Area:

Linited States

Data Category:	Geographic Area:		
Groundwater	 United States	~	GO

Click to hideNews Bulletins

• See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

320932103443801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320932103443801 25S.31E.02.23441

Available data for this site	Groundwater:	Field measurements	∨ GO	
Eddy County, New Mexico				5
Hydrologic Únit Code 1307	0001			
Latitude 32°09'37.4", Lon	gitude 103°	944'29.6" NAD83		
Land-surface elevation 3,4	60.00 feet	above NGVD29		
The depth of the well is 1,0	016 feet be	low land surface.		
This well is completed in th	ne Other aq	uifers (N9999OTh	HER) na	tional aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

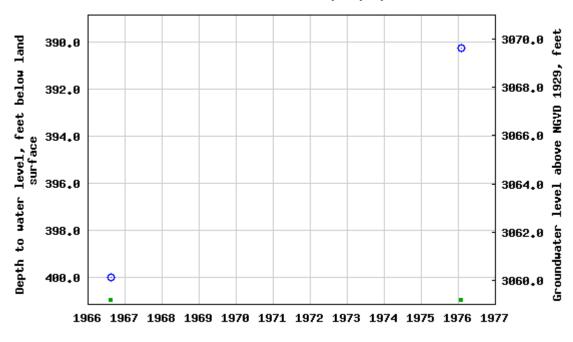
Table of data

Tab-separated data

Graph of data

Reselect period

USGS 320932103443801 255.31E.02.23441



- Period of approved data

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

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

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-01-04 12:26:22 EST

0.57 0.49 nadww01





Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w43 Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent Pajarito and similar soils: 25 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0

mmhos/cm)

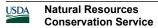
Sodium adsorption ratio, maximum: 1.0

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

inches)

Interpretive groups

Land capability classification (irrigated): None specified



Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear Across-slope shape: Convex, linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

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

....,

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Wink

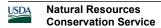
Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Cacique

Percent of map unit: 4 percent



Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Kermit

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

Data Source Information

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

Received by OCD: 6/14/2024 9:18:44 AM National Flood Hazard Layer FIRMette





Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 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 OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs

OTHER AREAS Area of Undetermined Flood Hazard Zone D - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall

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

> Digital Data Available No Digital Data Available

Unmapped

MAP PANELS

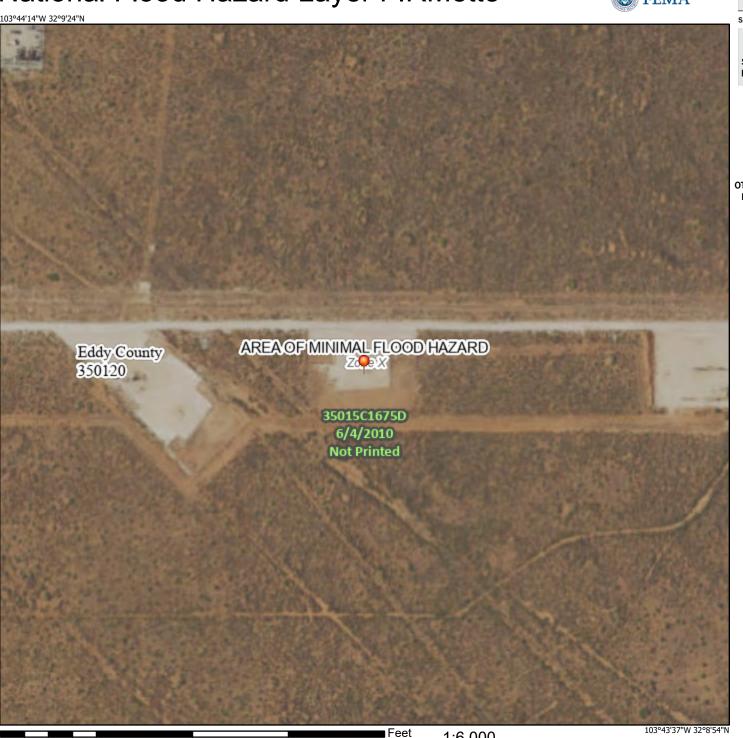
an authoritative property location. This map complies with FEMA's standards for the use of

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

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 1/4/2023 at 12:32 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.



2.000

1:6.000

ORelease To Imaging: 6/25/2024 PP. 22:43 AM

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



Wetlands Map



January 4, 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.



Appendix C

C-141 Form

48-Hour Notification

NM OIL CONSERVATION ARTESIA DISTRICT

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

MAR 2 3 2015

Form C-141 Revised August 8, 2011

Submit L Copy to appropriate District Office in RECEIVAGE redards with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action												
nA81508251701 OPERATOR Initial Report Final Report												
Name of Company Devon Energy Production Company U131 Contact Joah Weidemann; Production Foreman												
	Address 6488 Seven Rivers Hwy Artesia, NM 88210 Telephone No. 575-513-1528											
Facility Name Cotton Draw Unit 171H Facility Type Oil Well												
Surface Ow	vner Feder	al		Mineral (<u>Owner</u>	Federal			'API No	30-015-42	2503	
					TION	OF REI	LEASE					
Unit Letter N	Section 1	Township 25S	Range 31E	Feet from the 200		South Line South	Feet from the 2480		Vest Line Vest	County Eddy		
Latitude: 32.1526200 N Longitude: 103.7320907 W												
Type of Dalo	one Oil & D	Produced Water	- C-:11	NAT	URE	OF REL		c	Valuma	Danayarad /	42 DDI C e	rodugad
ype of Kele	rase On & P	roduced Water	er Spili			Volume of Release 52 BBLS produced water & 1 BBL oil water and 1 BB				overed 43 BBLS produced BBL oil		
Source of Re			_			Date and	Hour of Occurre	rrence Date and Hour of Discov				
Frac tank ove Was Immed		Cirran 9				March 19,	2015 6:20 AM		March 19	<u>), 2015 6:20</u>) AM	
was immed	iate Notice		Yes [No 🗌 Not Re	equired	1 '	tson; BLM & Mik	e Bratch	ner; OCD			
			ant Produ	ction Foreman			Hour both on Ma					
Was a Water	rcourse Re		Yes 🗵	No		If YES, Volume Impacting the Watercourse N/A						
	ourse was li	mpacted, Des	cribe Ful	ly.*		<u> </u>				*	·· <u>·</u>	
Describe Cause of Problem and Remedial Action Taken.* Failure to equalize frac tanks resulted in an overflow of a mix of 52 BBLS produced water and 1 BBL oil. Opening the equalizing line stopped the overflow.												
				···								
Describe Area Affected and Cleanup Action Taken.* The released fluid; a mix of 52 BBLS produced water and 1 BBL oil covered approximately 5400 square feet on the well pad. All released fluid remained on pad. The fluid released flowed in a southeastern direction from the point of origin on the northwest side of the well pad. A vac truck recovered 43 BBLS of produced water and 1 BBL of oil.												
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: Sandy Farley				OIL CONSERVATION DIVISION Signed By Mily Exercises								
Printed Name: Sandra Farley				Approved by Environmental Specialist:								
Title: Field Admin Support				Approval Date: 3/23/15 Expiration Date: NA								
E-mail Addre	ess: sandy.f	arley@dvn.c	o m			Conditions o	f Approval:			Attacks	4 🗆	ļ
Date: 3/20/15 Phone: 575.746.5587 Remediation per O.C.D. Rules & Guldelines SUBMIT REMEDIATION PROPOSAL NO												
* Attach Addi						MIT REMI ER THAN:) 	AL NO —	. /	2 RP-2	PanT

	Page 71 of	12
ıt ID	NAB1508251701	

Incident ID	NAB1508251701
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 X No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ 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 k☐ No		
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No		
Are the lateral extents of the release overlying a subsurface mine?	Yes No		
Are the lateral extents of the release overlying an unstable area such as karst geology?			
Are the lateral extents of the release within a 100-year floodplain?			
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.			
 X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. X Field data X Data table of soil contaminant concentration data X Depth to water determination X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs X Photographs including date and GIS information X Topographic/Aerial maps X Laboratory data including chain of custody 			

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

Received by OCD: 6/14/2024 9:18:44 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page	<i>72</i>	of	124		
00051701					

Incident ID	NAB1508251701
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:	Date:			
email:dale.woodall@dvn.com	Telephone: _ 575-748-1839			
OCD Only				
Received by:	Date:			

Page 73 of 124

Incident ID	NAB1508251701
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 is	tems 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 must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reluman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Dale Woodall	Title: Environmental Professional
Signature:	Date:
email:dale.woodall@dvn.com	Telephone: 575-748-1839
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS DEVON ENERGY COTTON DRAW UNIT 171H

Site Assessment











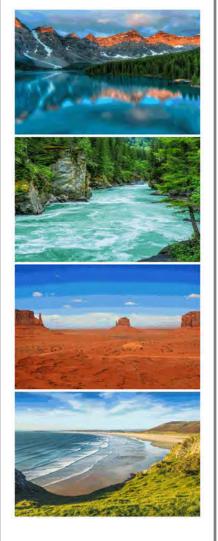




Appendix E

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 171H

Work Order: E301094

Job Number: 01058-0007

Received: 1/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/23/23

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.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/23/23

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Cotton Draw Unit 171H

Workorder: E301094

Date Received: 1/17/2023 9:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2023 9:30:00AM, under the Project Name: Cotton Draw Unit 171H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 171H 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

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S2 - 1'	9
S2 - 2'	10
S2 - 3'	11
S3 - 1'	12
S3 - 2'	13
S3 - 3'	14
S4 - 1'	15
S4 - 2'	16
S4 - 3'	17
S5 - 1'	18
S5 - 2'	19
S5 - 3'	20
SW1	21
SW2	22
SW3	23
SW4	24
BG1	25

Table of Contents (continued)

BG2	26
QC Summary Data	27
QC - Volatile Organics by EPA 8021B	27
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	35
Chain of Custody etc	36

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/23/23 08:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E301094-01A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S1 - 2'	E301094-02A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S1 - 3'	E301094-03A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S2 - 1'	E301094-04A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S2 - 2'	E301094-05A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S2 - 3'	E301094-06A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S3 - 1'	E301094-07A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S3 - 2'	E301094-08A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S3 - 3'	E301094-09A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S4 - 1'	E301094-10A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S4 - 2'	E301094-11A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S4 - 3'	E301094-12A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S5 - 1'	E301094-13A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S5 - 2'	E301094-14A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
S5 - 3'	E301094-15A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
SW1	E301094-16A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
SW2	E301094-17A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
SW3	E301094-18A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
SW4	E301094-19A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
BG1	E301094-20A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.
BG2	E301094-21A	Soil	01/16/23	01/17/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S1 - 1' E301094-01

		E301094-01				
Angles	Result	Reporting Limit	Dilution	D	A l d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
o,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		94.4 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2303052
Chloride	537	40.0	2	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S1 - 2'

		200107.02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: SL			Batch: 2303040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		94.5 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2303052
Chloride	177	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S1 - 3'

	Donortina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2303040
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0500	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
	98.7 %	70-130	01/17/23	01/20/23	
Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL		Batch: 2303040			
ND	20.0	1	01/17/23	01/20/23	
	93.2 %	70-130	01/17/23	01/20/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2303049
ND	25.0	1	01/18/23	01/19/23	
ND	50.0	1	01/18/23	01/19/23	
	98.8 %	50-200	01/18/23	01/19/23	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2303052
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 mg/kg mg/kg ND 20.0 93.2 % mg/kg ND 25.0 ND 50.0 98.8 %	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 93.2 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 98.8 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0500 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 mg/kg mg/kg Analyst: SL ND 20.0 1 01/17/23 mg/kg mg/kg Analyst: KM ND 25.0 1 01/18/23 ND 50.0 1 01/18/23 98.8 % 50-200 01/18/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0500 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 mg/kg mg/kg Analyst: SL ND 20.0 1 01/17/23 01/20/23 mg/kg mg/kg Analyst: SL ND 20.0 1 01/17/23 01/20/23 mg/kg mg/kg Analyst: KM ND 25.0 1 01/18/23 01/19/23 ND 50.0 1 01/18/23 01/19/23 ND 50.0 1 01/18/23 01/19/23



Pir	na Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO	9 Box 247	Project Number:	01058-0007	Reported:
Pla	nins TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S2 - 1'

		200107.01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		99.0 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2303052
Chloride	296	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S2 - 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		100 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2303052
Chloride	177	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S2 - 3'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		96.9 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	ND	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S3 - 1'

	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2303040
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
ND	0.0500	1	01/17/23	01/20/23	
ND	0.0250	1	01/17/23	01/20/23	
	96.6 %	70-130	01/17/23	01/20/23	
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2303040
ND	20.0	1	01/17/23	01/20/23	
	94.9 %	70-130	01/17/23	01/20/23	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2303049
ND	25.0	1	01/18/23	01/19/23	
ND	50.0	1	01/18/23	01/19/23	
	99.2 %	50-200	01/18/23	01/19/23	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2303052
74.5	20.0		01/18/23	01/19/23	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 99.2 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Am ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Am MB/kg mg/kg Am ND 20.0 1 MB/kg mg/kg Am ND 25.0 1 ND 50.0 1 MB/kg MB/kg 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0500 1 01/17/23 ND 0.0250 1 01/17/23 ND 0.0250 1 01/17/23 mg/kg mg/kg Analyst: SL ND 20.0 1 01/17/23 mg/kg mg/kg Analyst: KM ND 25.0 1 01/18/23 ND 50.0 1 01/18/23 ND 50.0 1 01/18/23 Mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0500 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 ND 0.0250 1 01/17/23 01/20/23 mg/kg mg/kg Analyst: SL ND 20.0 1 01/17/23 01/20/23 mg/kg mg/kg Analyst: KM ND 25.0 1 01/18/23 01/19/23 ND 50.0 1 01/18/23 01/19/23 ND 50.0 1 01/18/23 01/19/23 Mg/kg mg/kg Analyst: KL 01/19/23



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S3 - 2'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		98.9 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	185	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S3 - 3'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		95.8 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	ND	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S4 - 1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		95.9 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: KL		Batch: 2303052
Chloride	606	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S4 - 2'

E30	01094-11				
	Reporting				
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		101 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2303052
Chloride	181	20.0	1	01/18/23	01/19/23	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S4 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	_
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		101 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2303052
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Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S5 - 1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		102 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	406	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S5 - 2'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		99.0 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2303052
Chloride	174	20.0	1	01/18/23	01/19/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

S5 - 3'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		97.9 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	ND	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

SW1

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		98.3 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2303052
Chloride	ND	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

SW2

E301094-17						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		101 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2303052
Chloride	ND	20.0	1	01/18/23	01/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

SW3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/20/23	
Surrogate: n-Nonane		104 %	50-200	01/18/23	01/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2303052
imons by Eliteoutory deart						



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

SW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/20/23	
Surrogate: n-Nonane		103 %	50-200	01/18/23	01/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2303052
· · · · · · · · · · · · · · · · · · ·					01/19/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

BG1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2303040
Benzene	ND	0.0250	1	01/17/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/20/23	
Toluene	ND	0.0250	1	01/17/23	01/20/23	
o-Xylene	ND	0.0250	1	01/17/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2303040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	01/17/23	01/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2303049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/20/23	
Surrogate: n-Nonane		101 %	50-200	01/18/23	01/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2303052
Amons by ETA 500.0/7030A						



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

BG2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2303039
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2303039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303050
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane		104 %	50-200	01/18/23	01/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2303053
Chloride	ND	20.0	1	01/18/23	01/19/23	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

Plains TX, 79355-0247		Project Manager		m Bynum				1	/23/2023 8:43:15AM
		Volatile (Organics b	y EPA 802	1B			Analyst: SL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2303039-BLK1)							Prepared: 0	1/17/23 An	alyzed: 01/19/23
enzene	ND	0.0250							
thylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
m-Xylene	ND	0.0500							
otal Xylenes	ND	0.0250							
urrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			
ACS (2303039-BS1)							Prepared: 0	1/17/23 An	alyzed: 01/19/23
enzene	4.66	0.0250	5.00		93.2	70-130			
thylbenzene	5.03	0.0250	5.00		101	70-130			
oluene	5.07	0.0250	5.00		101	70-130			
-Xylene	5.17	0.0250	5.00		103	70-130			
m-Xylene	10.2	0.0500	10.0		102	70-130			
otal Xylenes	15.4	0.0250	15.0		102	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			
CS Dup (2303039-BSD1)							Prepared: 0	1/17/23 An	alyzed: 01/19/23
enzene	4.82	0.0250	5.00		96.5	70-130	3.46	20	
thylbenzene	5.24	0.0250	5.00		105	70-130	4.14	20	
oluene	5.26	0.0250	5.00		105	70-130	3.78	20	
-Xylene	5.38	0.0250	5.00		108	70-130	4.01	20	
m-Xylene	10.6	0.0500	10.0		106	70-130	4.14	20	
otal Xylenes	16.0	0.0250	15.0		107	70-130	4.10	20	

70-130



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw Unit 171HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum1/23/2023 8:43:15AM

PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		m Bynum					1/23/2023 8:43:15AM
		Volatile O	rganics b	y EPA 802	1B	Analyst: SL			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2303040-BLK1)							Prepared: 0	1/17/23 A	nalyzed: 01/19/23
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	7.99		8.00		99.8	70-130			
LCS (2303040-BS1)							Prepared: 0	1/17/23 A	nalyzed: 01/19/23
Benzene	4.07	0.0250	5.00		81.5	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.0	70-130			
Toluene	4.41	0.0250	5.00		88.1	70-130			
o-Xylene	4.49	0.0250	5.00		89.8	70-130			
p,m-Xylene	8.83	0.0500	10.0		88.3	70-130			
Total Xylenes	13.3	0.0250	15.0		88.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			
LCS Dup (2303040-BSD1)							Prepared: 0	1/17/23 A	nalyzed: 01/19/23
Benzene	4.69	0.0250	5.00		93.8	70-130	14.1	20	
Ethylbenzene	5.04	0.0250	5.00		101	70-130	14.7	20	
Toluene	5.09	0.0250	5.00		102	70-130	14.4	20	
o-Xylene	5.20	0.0250	5.00		104	70-130	14.7	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	14.3	20	
Total Xylenes	15.4	0.0250	15.0		103	70-130	14.4	20	

70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					1/23/2023 8:43:15AM	
	Non	Nonhalogenated Organics by EPA 8015D - GRO						Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2303039-BLK1)							Prepared: 0	1/17/23	Analyzed: 01/19/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130				
LCS (2303039-BS2)							Prepared: 0	1/17/23	Analyzed: 01/19/23	
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130				
LCS Dup (2303039-BSD2)							Prepared: 0	1/17/23	Analyzed: 01/20/23	
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130	15.5	20	-	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130				



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

Plains TX, 79355-0247		Project Manager		m Bynum					1/23/2023 8:43:15AN
	Non	halogenated (Organics l	oy EPA 801	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2303040-BLK1)							Prepared: 0	1/17/23	Analyzed: 01/19/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			
LCS (2303040-BS2)							Prepared: 0	1/17/23	Analyzed: 01/19/23
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			
LCS Dup (2303040-BSD2)							Prepared: 0	1/17/23	Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130	1.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			



QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw Unit 171HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum1/23/20238:43:15AM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum					1/23/2023 8:43:15AN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2303049-BLK1)							Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.3		50.0		98.7	50-200			
LCS (2303049-BS1)							Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike (2303049-MS1)				Source:	E301094-	09	Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
urrogate: n-Nonane	49.9		50.0		99.7	50-200			
Matrix Spike Dup (2303049-MSD1)				Source:	E301094-	09	Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.0	38-132	0.581	20	
urrogate: n-Nonane	49.6		50.0		99.2	50-200			

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw Unit 171HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum1/23/20238:43:15AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum]	1/23/2023 8:43:15A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2303050-BLK1)							Prepared: 0	1/18/23 An	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			
LCS (2303050-BS1)							Prepared: 0	1/18/23 An	alyzed: 01/19/23
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			
Matrix Spike (2303050-MS1)				Source:	E301093-	02	Prepared: 0	1/18/23 An	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			
Matrix Spike Dup (2303050-MSD1)				Source:	E301093-	02	Prepared: 0	1/18/23 An	nalyzed: 01/19/23
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.175	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cotton Draw Unit 171H 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:43:15AM

		Anions	by EPA 3	00.0/9056 <i>A</i>	4				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2303052-BLK1)							Prepared: 0	1/18/23 Anal	yzed: 01/19/23
Chloride	ND	20.0							
LCS (2303052-BS1)							Prepared: 0	1/18/23 Analy	yzed: 01/19/23
Chloride	245	20.0	250		98.2	90-110			
Matrix Spike (2303052-MS1)				Source:	E301094-0	01	Prepared: 0	1/18/23 Analy	yzed: 01/19/23
Chloride	831	40.0	250	537	117	80-120			
Matrix Spike Dup (2303052-MSD1)				Source:	E301094-0	01	Prepared: 0	1/18/23 Analy	vzed: 01/19/23

40.0

80-120



Matrix Spike (2303053-MS1)

Matrix Spike Dup (2303053-MSD1)

Chloride

Chloride

308

311

Prepared: 01/18/23 Analyzed: 01/19/23

Prepared: 01/18/23 Analyzed: 01/19/23

20

QC Summary Data

Pima Environmental Services-Carlsbac PO Box 247	I	Project Name: Project Number:		Cotton Draw Un 1058-0007	nit 171H				Reported:
Plains TX, 79355-0247		Project Manager:	: Т	om Bynum					1/23/2023 8:43:15AM
		Anions	by EPA	300.0/9056	4				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2303053-BLK1)							Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Chloride	ND	20.0							
LCS (2303053-BS1)							Prepared: 0	1/18/23 A	nalyzed: 01/19/23
Chloride	250	20.0	250		100	90-110			

250

250

20.0

20.0

Source: E301093-01

Source: E301093-01

97.0

98.1

80-120

80-120

0.905

65.9

65.9

QC Summary Report Comment:

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 171H	
١	PO Box 247	Project Number:	01058-0007	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/23/23 08:43

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

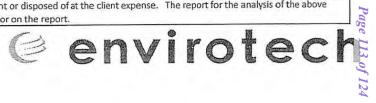


Project Inf	ormation
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Chain of Custody

EPA	Pr	ogra	m
CWA	1	SD	WΑ
		RC	RA
State	=		-
UT	AΖ	TX	

Client: P	ima Envi	ronmen	tal Servi	ces	Bill To	_	T		La	b Us	e On	ly				TA	Т	EPA P	ogram
Project: (otton'	Draw	unitl		Attention: Nevon		Lab	WO#				Numb		1D	2D	3D	Standard	CWA	SDWA
	lan ager:				Address:		E3	3010	794				4000				X		DCDA
	5614 N.				City, State, Zip						Analy	sis an	d Method	<u> </u>					RCRA
	e, Zip Ho		<u>И. 88240</u>)	Phone:												1	State	
	580-748- com@pin		·		Email:		3015	3015									NMI CO	UT AZ	TX
Report d		iaoii.coi	Ш		Pima Project # 1 - 237		O by 8	O by 8	8021	8260	010	300.0		NM	¥		100	OT AL	1X
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	втех by 8021	VOC by 8260	Metals 6010	Chloride		верос	верос			Remarks	
8:00	1/16/23	S	1	51-1'		1								X					
8:05	1	1	1	51-2		2								1					
8:10				SI-3'		3													
8:15				52-1'		4													
8:20				52-2'		5													
8:25				52-3"		6													
8:30				S3-1'		7													
8:35				S3-2'		8													
8:40				53-3'		9													
8:45	4	4	4	84-11		10								-	,				
Addition	al Instruc	tions:	1	Bill to	Devian:														
I, (field samp	oler), attest to	the validity	and authen	ticity of this sample. It	am aware that tampering with or intentionally mislal	pelling the sampl	e locati	on,	جلك	3	Sample packed	es requir d in ice a	ring thermal t an avg tem	preserva p above	o but le	ust be rec ess than 6	eived on ice the da °C on subsequent	y they are samp days.	led or received
Relinquish	d by: (Signa	ature)	Date 1-	Time 7: 7:	00 Received by: (Signature)	Date 1-17-	23	Time	fOL)	Rece	eived	on ice:	100	ab U	se On I	ly		
	by: (Signa		Date	Time	Received by: (Signature)	Date /~ (7.	_	Time			T1			T2			T3		
	ed by: (Signa		Date	Time	Received by: (Signature)	Date 1/18/2		Time				Tem	n°c (1					
		- Solid So-		Aqueous, O - Other	- Illumination	Containe	er Type	9-	glass	p - n	olv/pl	lastic.	ag - amb	er gla	iss. v	- VOA			
Note: Sam	oles are disc	arded 30 d	lavs after re	esults are reported u	nless other arrangements are made. Hazardo												eport for the a	nalysis of the	above
					ratory with this COC. The liability of the labora										1900				



Project	Information
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Chain of Custody

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Page_	1	of _	

Client: P	ima Envi	ronmen	tal Servi	ces	Bill To				La	b Us	e On	ly				TA		EPA P	rogram
Project: (otton	Draw	Unit	MIH	Attention: Nevon		Lab	WO#				Numbe	er	1D	2D	3D	Standard	CWA	SDWA
Project N	lanager:	Tom By	num		Address:		E3	301	090	4	010	58-0	500				X		
Address:	5614 N.	Lovingt	on Hwy.		City, State, Zip						Analy	sis and	Method	1					RCRA
City, Stat	e, Zip Ho	bbs, NN	A, 88240		Phone:			17-7											
Phone:	580-748-	1613			Email:		12	12										State	
Email: 1	om@pin	naoil.cor	n				y 80	y 80	н	0	_	0.0		5				UT AZ	TX
Report d	ue by:				Pima Project # 1 · 235		RO b	RO b	y 802	826	6010	e 30(NN	¥		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	8ТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
8:50	1/10/23	S	1	84-2		11								X					
8:55	1		1	54-3	3'	12								1					
9:00				85-1		13													
9:05				S5-Z		14													
9:10				S5-3	,	15													
9:15				SWI		16													
9:20				SW2		17													
9:25				SW3		18								Ц					
9:30				SW4		19								Ц					
9:35	*	4	4	BGI		20								4	1				
Addition	al Instruc	tions:		Ril	1 to Devon:														
1 /6:-14	l\	N P. Pr.		101	le. I am aware that tampering with or intentionally mislab	-11:	- loant				Isamn	es requiri	ne thermal	preserv	ration r	nust be re	eceived on ice the da	they are sam	pled or received
				nay be grounds f		A R	MO	MAC	10=	2	packe	d in ice at	an avg tem	p abov	e 0 but	less than	6 °C on subsequent	lays.	
-	dby:Asigna	The state of the s	Date		me Received by: (Signature)	Date		Time		9					Lab l	Jse Oi	nly		
/	AS .	,	1-	17.73	2:00 Mystella Capals	1-17-	23	1	40	0	Rec	eived	on ice:			N			
	d by: (Signa		Date	7-23	Received by: (Signature)	Date /- 17-		Time			T1	.,, .,		T2			T3		
Relinguishe	d by: (Signa		Date		Received by: (Signature)	Date	23	Time			ΔΜ	6 Temp	° 4	!			T		
V		neu Salid S	_	queous, O - Othe	- Musika Caller	Containe				-				er al	ass v	- VOA	1	-	· · · · · · · · · · · · · · · · · · ·
Note: Same	les are disc	arded 30 d	avs after re	sults are report	er ed unless other arrangements are made. Hazardo	us samples wi	l be re	turne	d to cl	ient o	r disp	osed of	at the cli	ent ex	pens	e. The	report for the a	nalysis of th	e above
samples is a	applicable o	nly to thos	e samples r	eceived by the	laboratory with this COC. The liability of the laborat	ory is limited	to the	amou	nt paid	for	on the	report.	-						

nt or disposed of at the client expense. The report for the analysis of the above or on the report.

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Project Information	Chain of Custody
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Page 5	_ of

Client: F	ima Envi	ronmen	tal Servi	ces	Bill To		Г	-	La	b Us	e Onl	ly			-	TA	T	EPA P	ogram
Project: COTTON DY OUN UNITITY Attention: DEVON			Lab	WO#					1D	2D 3D		Standard	CWA .	SDWA					
	lanager:				Address:		E	301	09c	1	0103	58-($f\omega$				X		D CD 4
	5614 N.				City, State, Zip						Analy	sis and	d Metho	d					RCRA
	e, Zip Ho		M. 88240)	Phone:													0	
Phone: 580-748-1613				015	015								1 1	NAT CO	State	LTVI			
Email: Report d	tom@pin ue bv:	naoil.coi	m		Pima Project # 1 · 235		DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	BTEX by 8021 VOC by 8260	010	Chloride 300.0		NN	¥		NM CC	UT AZ	1X
Time	Date		No. of	T _c 1 15	1 20 3	Lab	JOR(/DR	Х Бу	by 8	Metals 6010	oride		BGDOC	00			Remarks	- 7
Sampled	Sampled	Matrix	Containers	Sample ID		Number	DRO	GRO	BTE	VOC	Met	Chlo		BGE	верос			Weiligiks	
9:40	1/14/23	5	1	BG2		21								X					
							-						-	-	-				
			-			-	-	-					-	+	-				
							-						_	-	-	-			
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			. — —																
Addition	al Instruc	tions:			BILLODOVA	0													
(field sam	oler), attest to	the validity	and authent	icity of this sample. I	am aware that tampering with or intentionally misk		le locati	ion,	_		Sample	es requir	ing thermal	preserv	ation m	ust be re	ceived on ice the day	they are samp	led or received
	-		d fraud and r	nay be grounds for leg			aur	-	4		packed	in ice a	t an avg ten				6 °C on subsequent o	iays.	
A	ed by: (Signa		Date	17-23 7:	Received by: (Signature)	- H17-	23		eu d		Rece	eived	on ice:	-	$\frac{ab}{y}$ / $\frac{1}{y}$	lse Or V	nly		
Relinquish	ed by: (Signa	ture)	Date	-	Received by: (Signature)	Date /- 17-		Time	718	1	T1			T2			<u></u>		
Relinguish	ed by: (Signa	ture)	Date	7-25 239	Received by: (Signature)	Date	13	Time	: 30	7	AVG	Tem	n°C	4	,	37			
		- Solid Ser-		queous, O - Other	- unem fret	Containe								er gla	ass. v	- VOA		1	
					inless other arrangements are made. Hazard	ous samples wi	ll be re	turne	to cli	ent o	r dispo	sed of	at the cli	ent ex	pense	. The	report for the ar	alysis of the	above
amples is	applicable o	nly to thos	e samples r	eceived by the labo	ratory with this COC. The liability of the labor.	atory is limited	to the	amou	nt paid	forc	on the r	report.		On Page					



Printed: 1/18/2023 11:04:15AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

District Control Con	Client:	Pima Environmental Services-Carlsbad	Date Received:	01/17/23	09:30		Work Order ID:	E301094
Chain of Custody (COC) 1. Does the number of samples per sampling site location match the COC? 2. Does the number of samples per sampling site location match the COC? 3. Were samples dropped off by deficient or carrier? 4. Was the COC complete, i.e., signatures, datestrines, requested analyses? 5. Were all samples received within holding tume? 5. Were all samples received within holding tume? 6. Were all samples received within holding tume? 7. Were all samples received within holding tume? 7. Were all samples received mine the holding tume? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received intext, i.e., not broken? 7. Were custody/security seals intart? 7. Was a trip barries and interest of the samples present? 7. Were custody/security seals intart? 7. Was a trip barries preservation is not required, if samples are received will 5 minutes of sampling 7. It is no visible is every the temperature. Actual sample temperature: 8. Were custody/security seals intart? 8. Are squeen VOC samples present? 8. Are NOC samples collected in VOA Visils? 8. Are VOC samples collected in the orrect containers? 9. Was the head space less than 68 mm (pas sized or less)? 9. As a rone-VOC samples collected in the correct containers? 9. Were field sample labels filled out with the minimum information: 8. Are squeen to collected? 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels filled out with the minimum information: 9. Were field sample labels indicate the samples were preserved? 9. An August 1. It is a filled and in experiment of the process of the preservation of t	Phone:	(575) 631-6977	Date Logged In:	01/17/23	14:46		Logged In By:	Caitlin Christian
Does the sample ID match the COC? 2. Does the number of sampling pite location match the COC 2. Does the number of sampling spite location match the COC 3. Were samples dropped off by clear for carrier? 4. Was the COC complete, i.e., signatures, dutach/fines, requested analyses? 5. Were all samples received within boding time? 5. Were all samples received within boding time? 5. Wore all samples received within boding time? 6. Did the COC indicate standard TAT. or Expedited TAT? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 8. Were sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custedy/security seals present? 10. Were custedy/security seals present? 10. Were custedy/security seals present? 10. Were custedy/security seals are received will 15 without a sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°4.2°C Note: Thermal preservation is not required. If samples are received wil 15 without a sample received in the temperature. Actual sample temperature: 4°C Note: Thermal preservation is not required. Actual sample temperature: 4°C Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required in the correct containers? Note: Thermal preservation is not required and/or requested for dissolved metals? Note: Thermal preservation is not required and/or requested for dissolved metals? Note: Thermal preservation is not required and/or requested for dissolved metals? Note: Thermal preservation is not required and/or requested for dissolved metals? Note: Thermal prese	Email:	tom@pimaoil.com	Due Date:	01/23/23	17:00 (4 day TAT)			
2. Does the number of samplies per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Not sharples, such as pld which shoulde for the diseasesian. 7. Polid the COC indicate standard TAT, or Expedited TAT? 7. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample(by received indicat, i.e., not broken? 10. Were custody/security seals intact? 10. Were custody/security seals intact? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice of If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6~5 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Date? Time Collected? 10. Were field sample labels filled out with the minimum information: 10. Date Time Collected? 20. Were field sample labels indicate the samples were preserved? 21. Are sample (N) correctly preserved? 22. Are sample (N) correctly preserved? 23. Are sample (S) correctly preserved? 24. A la blink (TB) included for VOC analyses? 85. A sample Are required to get sent to a subcontract laboratory? 86. No 87. A sample have more than one phase, i.e., multiphase? 87. A poss the COC of field labels indicate the samples were preserved? 88. A re sample sample have more than one phase, i.e., multiph	Chain of	Custody (COC)						
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? Yes Note: Analysis, such as pil which should be conduced in the field, i.e. it is minute hold time, are not included in the discussion. To minute hold time, are not included in the discussion. 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 8. Did the COC indicate standard TAT, or Expedited TAT? Yes 8. If yes, was cooler received? 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? Yes 12. Was the sample received on its? If yes, the reconded temp is 4°C, i.e., 6°22°C Yes No: Thromal preservations is not required. If samples are received with 15 minutes of sampling. NA 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Yes 8ample Container. NA 14. Are auguous VOC samples offered in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? Yes 19. Is the parportiate volume, yeight for numb				Yes				
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Now always, such as for which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample specied mate, i.e., not broken? 10. Were custody/security scals present? 11. If yes, were custody/security scals intact? 12. Was the sample received mine of the temperature. Actual sample temperature: 9°C 13. If no visible ice, record the temperature. Actual sample temperature: 9°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the lead space less than 6-8 mm (pea sized or less)? 17. Was a trib slamk (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 8 sample 10°C 9 Date/Time Collected? Collectors name? 10. Date film Collected? Collectors name? 11. If yes, does the COC or field labels indicate the samples were preserved? 12. Are samples joe correctly preserved? 13. Is the appropriate volume/weight or number of sample containers collected? 14. Sample Preservation 15. Are YOC samples collected in the correct containers? 16. Is the field Labels 17. Yes 18. Are non-YOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Sample Preservation 20. Were field sample labels filled out with the minimum information: 8 sample 10°C 20. Samples collected? 20. Wes the sample have more than one phase, i.e., multiphase? 21. Loes the sample have more than one phase, i.e., multiphase? 22. Are samples joe orneetly preserved?	2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
5. Were all samples received within holding time? Namel: Turn Around Time (TAIT) Sample Couler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intite, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temps is \$\frac{4}{2}\cdot i.e.}\$ 13. If no visible ice, received the temperature. Actual sample temperature: \$\frac{4}{2}\cdot i.e.}\$ 14. Ar aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a 17 blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the pappopriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Preservation 21. Doubt Films Collected? 22. Are sample(s) operative distance the samples were preserved? 23. Is a lab filteration required and/or requested for dissolved metals? 34. The proposite volume weight or number of sample containers? 54. Collectors name? 55. Are VOC samples collected in the correct containers? 56. Sample Preservation 21. Does the COC of field labels indicate the samples were preserved? 22. Are sample(s) orecetly preserved? 23. Are sample(s) orecetly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 56. Sample Internation required and/or requested for dissolved metals? 57. Are YoC sample have more than one phase, i.e., multiphase? 58. Are sample have more than one phase, i.e., multiphase? 59. Collectors range? 50. South Sample have more than one phase, i.e., multiphase? 50. South Sample have more than one phase, i.e., multiphase? 50. South Sample have more than one phase, i.e., multiphase? 50. South Sample have more than one phase, i.e., multiphase? 50. South Sample have more than one phase, i.e., multiphase? 50.	3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
Note: Analysis, such as pH which should be conducted in the field, is, is minute hold time, are not included in this discussion. 2	4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler Yes 8. If yes, was cooler received? Yes 9. Was the sample(s) received imact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals present? No 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Not: Thermal preservation is not required, if samples are received wif 15 minutes of sampling No 13. If no visible ice, record the temperature. Actual sample temperature: 4°C No Sample Container NA 14. Are aqueous VOC samples present? NA 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 10. Were field sample labels filled out with the minimum information:	5. Were a	Note: Analysis, such as pH which should be conducted i		Yes	_		Comment	s/Resolution
Sample Cooler Yes 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 Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling Yes Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling No 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Yes Sample Container No 14. Are aqueous VOC samples present? 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 19. Date Time Collected? Yes Oblect Irrance Collected? Yes 20. Were field sample labels filled out with the minimum information: Na 21. Does the COC or field labels indicate the samples were preser	Sample T	<u>urn Around Time (TAT)</u>						
7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received in good condition? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ite? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples sollected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collecte? 19. Use Time Collected? 10. User field sample labels filled out with the minimum information: 10. Sample Preservation 11. Does the COC or field labels indicate the samples were preserved? 12. Are sample(s) correctly preserved? 13. Is ab of literation required and/or requested for dissolved metals? 14. Is ab filteration required and/or requested for dissolved metals? 15. It is a sample have more than one phase, i.e., multiphase? 16. She containers and of the sample samples received will in the correct of th	6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C 13. If no visible ice, record the temperature. Actual sample same received wil 15 minutes of sampling. 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4}{4}$ °C 15. Are 2 VOC samples collected in VOA Vials? 16. Is the head space elses than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: 18. Anne appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 19. Sample IDP 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Are samples Atomatical samples are to a subcontract laboratory? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 39. Was a subcontract Laboratory specified by the client and if so who? 30. Subcontract Lab: NA	Sample C	<u>Cooler</u>						
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Client Instruction	29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
	Client Ir	<u>istruction</u>						

Date

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 354167

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	354167
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAB1508251701					
Incident Name	NAB1508251701 COTTON DRAW UNIT #171H @ 30-015-42503					
Incident Type	Produced Water Release					
Incident Status	Remediation Closure Report Received					
Incident Well	[30-015-42503] COTTON DRAW UNIT #171H					

Location of Release Source					
Please answer all the questions in this group.					
Site Name	COTTON DRAW UNIT #171H				
Date Release Discovered	03/19/2015				
Surface Owner	Federal				

Incident Details					
Please answer all the questions in this group.					
Incident Type	Produced Water Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 1 BBL Recovered: 1 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 52 BBL Recovered: 43 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 354167

QUESTIONS (continued)

Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	354167				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				
	•				

QUESTIONS

Nature and Volume of Release (continued)						
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.					
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes					
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.					
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.						

Initial Response						
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.						
The source of the release has been stopped	True					
The impacted area has been secured to protect human health and the environment	True					
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True					
All free liquids and recoverable materials have been removed and managed appropriately	True					
If all the actions described above have not been undertaken, explain why	Not answered.					

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

Name: Dale Woodall
Title: EHS Professional
Email: Dale.Woodall@dvn.com
Date: 06/14/2024

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

QUESTIONS, Page 3

Action 354167

QUESTIONS (continued)

Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	354167				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan	
Please answer all the questions that apply or are indicated. This information	on must be provided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical exter	nts of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been full	ly delineated Yes
Was this release entirely contained within a lined containment	t area No
Soil Contamination Sampling: (Provide the highest observable v	value for each, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	606
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M	<i>d</i>) 0
BTEX (EPA SW-846 Method 8021B	3 or 8260B) 0
Benzene (EPA SW-846 Method 8021E	3 or 8260B) 0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the	port includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, remediation.
On what estimated date will the remediation commence	03/13/2024
On what date will (or did) the final sampling or liner inspection	occur 03/13/2024
On what date will (or was) the remediation complete(d)	03/13/2024
What is the estimated surface area (in square feet) that will be	e reclaimed 0
What is the estimated volume (in cubic yards) that will be recla	aimed 0
What is the estimated surface area (in square feet) that will be	e remediated 0
What is the estimated volume (in cubic yards) that will be remo	ediated 0
These estimated dates and measurements are recognized to be the best gu	uess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be	minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 354167

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	354167
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Yes	
Other Non-listed Remedial Process. Please specify	analytical results were below OCD action levels based on depth to water	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com

Date: 06/14/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

QUESTIONS, Page 5

Action 354167

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	354167
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 354167

QUESTIONS	(continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
OUEOTIONO	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322026
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	400

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	0	
What was the total volume (cubic yards) remediated	0	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	analytical results were below OCD action levels based on depth to water	

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

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

Name: Dale Woodall Title: EHS Professional I hereby agree and sign off to the above statement Email: Dale.Woodall@dvn.com Date: 06/14/2024

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QUESTIONS, Page 7

Action 354167

QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 354167

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAB1508251701 COTTON DRAW UNIT #171H, thank you. This Remediation Closure Report is approved.	6/25/2024