	Page 1 of 2.	35
Incident ID	nAPP2203738955	
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 X No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver- contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 	ls.

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: 12/21/2022 7:50:34 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 2 of 235
Incident ID	nAPP2203738955
District RP	
Facility ID	
A mustice at in a ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Dale Woodall	Title: EHS Professional
Signature: Dale Woodall	Date: 12/21/22
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: Jocelyn Harimon	Date: 12/21/2022

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Incident ID nAPP2203738955
District RP
Facility ID
Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
x A scaled site and sampling diagram as described in 19.15.29	.11 NMAC
x Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
x Laboratory analyses of final sampling (Note: appropriate OF	OC District office must be notified 2 days prior to final sampling)
x Description of remediation activities	
and regulations all operators are required to report and/or file certamay endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulatestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the	OCD when reclamation and re-vegetation are complete.
	Title: EHS Professional
Signature: Dals Woodall	Date: 12/21/22
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: Jocelyn Harimon	Date:12/21/2022
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



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

November 3, 2022

Bureau of Land Management 620 East Green Street Carlsbad, NM 88220

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

Re: Site Assessment, Remediation, and Closure Report

Cotton Draw Unit 237H Battery

API No. 30-025-41996

GPS: Latitude 32.138142 Longitude -103.668623

UL M, Sec. 10, T25S, R32E

Lea County, NM

NMOCD Ref. No. <u>NAPP2203738955</u>

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Cotton Draw Unit 237H Battery (CDU 237). The initial C-141 was submitted on February 22, 2022 (Appendix C). This incident was assigned Incident ID NAPP2203738955 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The CDU 237 is located approximately twenty-eight (28) miles west of Jal, NM. This spill site is in Unit M, Section 10, Township 25S, Range 32E, Latitude 32.138142 Longitude -103.668623, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. May locally include uppermost Eolian and piedmont deposits. The soil in this area is made up of Pyote loamy fine sand, 0 to 3 percent slopes 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 around the CDU 237 (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 314 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 290 feet BGS. The closest waterway Playa located approximately 28 miles to the Northwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29									
Depth to Groundwater		Constituent & Limits							
(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>NAPP2203738955</u>: On February 5, 2022, a water transfer line developed a leak malfunction causing fluid release in the pasture. The released fluids were calculated to be approximately 422 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 340 bbls of total fluid from the impacted area.

Site Assessment and Soil Sampling Results

On July 20, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

7-20-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)										
	DEVON ENERGY - COTTON DRAW UNIT 237H Battery									
Date: 7-20-2	2	NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX Benzene mg/kg mg/kg		GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg		
SW-1	6"	ND	ND	ND	ND	ND	0	ND		
SW-2	6"	ND	ND	ND	ND	ND	0	90.9		
SW-3	6"	ND	ND	ND	ND	ND	0	32.2		
SW-4	6"	ND	ND	ND	ND	ND	0	ND		
SW-5	6"	ND	ND	ND	ND	ND	0	49.7		
SW-6	6"	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	1550		
S-1	3'	ND	ND	ND	ND	ND	0	1470		
	6'	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	11000		
S-2	3'	ND	ND	ND	ND	ND	0	2040		
	5'	ND	ND	ND	ND	ND	0	43.3		
	1'	ND	ND	ND	ND	ND	0	820		
S-3	4'	ND	ND	ND	ND	ND	0	1030		
	8'	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	1990		
S-4	3'	ND	ND	ND	ND	ND	0	2130		
	5'	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 Not Detected

Remediation Activities

On September 19, 2022, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to various depths. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On September 21, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

9-26-22 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50) DEVON ENERGY - COTTON DRAW UNIT 237H Battery											
Sample Date: 9/26/2022 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			
CS 1	5'	ND	ND	ND	ND	ND	0	ND			
CS 2	5'	ND	ND	ND	ND	ND	0	ND			
CS 3	5'	ND	ND	ND	ND	ND	0	ND			
CS 4	5'	ND	ND	ND	ND	ND	0	ND			
CS 5	5'	ND	ND	ND	ND	ND	0	ND			
CS 6	5'	ND	ND	ND	ND	ND	0	ND			
CS 7	5'	ND	ND	ND	ND	ND	0	ND			
CS 8	5'	ND	ND	ND	ND	ND	0	ND			
CS 9	5'	ND	ND	ND	ND	ND	0	ND			
CS 10	5'	ND	ND	ND	ND	ND	0	ND			
CS 11	5'	ND	ND	ND	ND	ND	0	ND			
CS 12	5'	ND	ND	ND	ND	ND	0	ND			
CS 13	5'	ND	ND	ND	ND	ND	0	ND			
CS 14	5'	ND	ND	ND	ND	ND	0	ND			
CS 15	5'	ND	ND	ND	ND	ND	0	ND			
CS 16	5'	ND	ND	ND	ND	ND	0	ND			
CS 17	5'	ND	ND	ND	ND	ND	0	ND			
CS 18	5'	ND	ND	ND	ND	ND	0	ND			
CS 19	5'	ND	ND	ND	ND	ND	0	ND			
CS 20	5'	ND	ND	ND	ND	ND	0	ND			
CS 21	5' 5'	ND ND	ND ND	ND	ND ND	ND ND	0	ND			
CS 22 CS 23	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 24	5'	ND	ND	ND	ND	ND	0	ND			
CS 25	5'	ND	ND	ND	ND	ND	0	ND			
CS 26	5'	ND	ND	ND	ND	ND	0	ND			
CS 27	5'	ND	ND	ND	ND	ND	0	ND			
CS 28	5'	ND	ND	ND	ND	ND	0	ND			
CS 29	5'	ND	ND	ND	ND	ND	0	ND			
CS 30	5'	ND	ND	ND	ND	ND	0	ND			
CS 31	5'	ND	ND	ND	ND	ND	0	ND			
CS 32	5'	ND	ND	ND	ND	ND	0	ND			
CS 33	5'	ND	ND	ND	ND	ND	0	ND			
CS 34 CS 35	5' 5'	ND	ND	ND	ND	ND	0	ND			
CS 36	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 37	5'	ND	ND	ND	ND	ND	0	ND			
CS 38	5'	ND	ND	ND	ND	ND	0	ND			
CS 39	5'	ND	ND	ND	ND	ND	0	ND			
CS 40	5'	ND	ND	ND	ND	ND	0	ND			
CS 41	5'	ND	ND	ND	ND	ND	0	ND			
CS 42	5'	ND	ND	ND	ND	ND	0	ND			
CS 43	5'	ND	ND	ND	ND	ND	0	ND			
CS 44	5'	ND	ND	ND	ND	ND	0	ND			
CS 45	5'	ND	ND	ND	ND	ND	0	ND			
CS 46	5'	ND	ND	ND	ND	ND	0	ND			
CS 47 CS 48	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 49	5'	ND	ND	ND	ND	ND	0	ND			
CS 50	5'	ND	ND	ND	ND	ND	0	ND			
CS 51	5'	ND	ND ND	ND	ND	ND	0	ND			
CS 52 CS 53	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 54	5'	ND	ND	ND	ND	ND	0	ND			
CS 55	5'	ND	ND	ND	ND	ND	0	ND			
CS 56	5'	ND	ND	ND	ND	ND	0	ND			
CS 57 CS 58	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 59	5'	ND	ND	ND	ND	ND	0	ND			
CS 60	5'	ND	ND	ND	ND	ND	0	ND			
CS 61	5'	ND	ND	ND	ND	ND	0	ND			
CS 62 CS 63	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 64	5'	ND	ND	ND	ND	ND	0	ND			
CS 65	5'	ND	ND	ND	ND	ND	0	ND			
CS 66	5'	ND	ND	ND	ND	ND	0	ND			
CS 67 CS 68	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 69	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 70	5'	ND	ND	ND	ND	ND	0	ND			
CS 71	5'	ND	ND	ND	ND	ND	0	ND			
CS 72	5'	ND	ND	ND	ND	ND	0	ND			
CS 73	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CS 75	5'	ND	ND	ND	ND	ND	0	ND			

CS 76	5'	ND	ND	ND	ND	ND	0	ND
CS 77	5'	ND	ND	ND	ND	ND	0	ND
CS 78	5'	ND	ND	ND	ND	ND	0	ND
CS 79	5'	ND	ND	ND	ND	ND	0	ND
CS 80	5'	ND	ND	ND	ND	ND	0	ND
CSW 1	5'	ND	ND	ND	ND	ND	0	ND
CSW 2	5'	ND	ND	ND	ND	ND	0	ND
CSW 3	5'	ND	ND	ND	ND	ND	0	ND
CSW 4	5'	ND	ND	ND	ND	ND	0	ND
CSW 5	5'	ND	ND	ND	ND	ND	0	ND
CSW 6	5'	ND	ND	ND	ND	ND	0	ND
CSW 7	5'	ND	ND	ND	ND	ND	0	ND
CSW 8	5'	ND	ND	ND	ND	ND	0	ND
CSW 9	5'	ND	ND	ND	ND	ND	0	ND
CSW 10	5'	ND	ND	ND	ND	ND	0	ND
CSW 11	5'	ND	ND	ND	ND	ND	0	ND
CSW 12	5'	ND	ND	ND	ND	ND	0	ND
CSW 13	5'	ND	ND	ND	ND	ND	0	ND
CSW 14	5'	ND	ND	ND	ND	ND	0	ND
CSW 15	5'	ND	ND	ND	ND	ND	0	ND
CSW 16	5'	ND	ND	ND	ND	ND	0	ND
CSW 17	5'	ND	ND	ND	ND	ND	0	ND
CSW 18	5'	ND	ND	ND	ND	ND	0	ND
CSW 19	5'	ND	ND	ND	ND	ND	0	ND
CSW 20	5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2203738955 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez

Project Manager

Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E - Laboratory Reports



Figures:

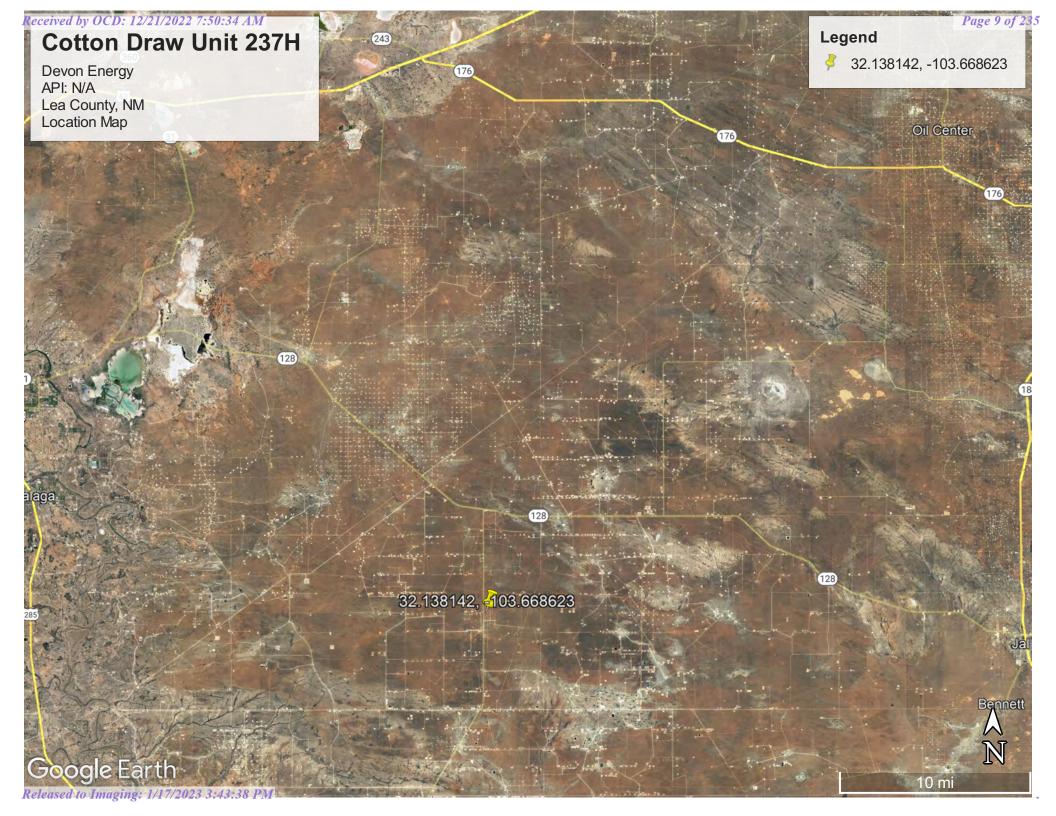
1-Location Map

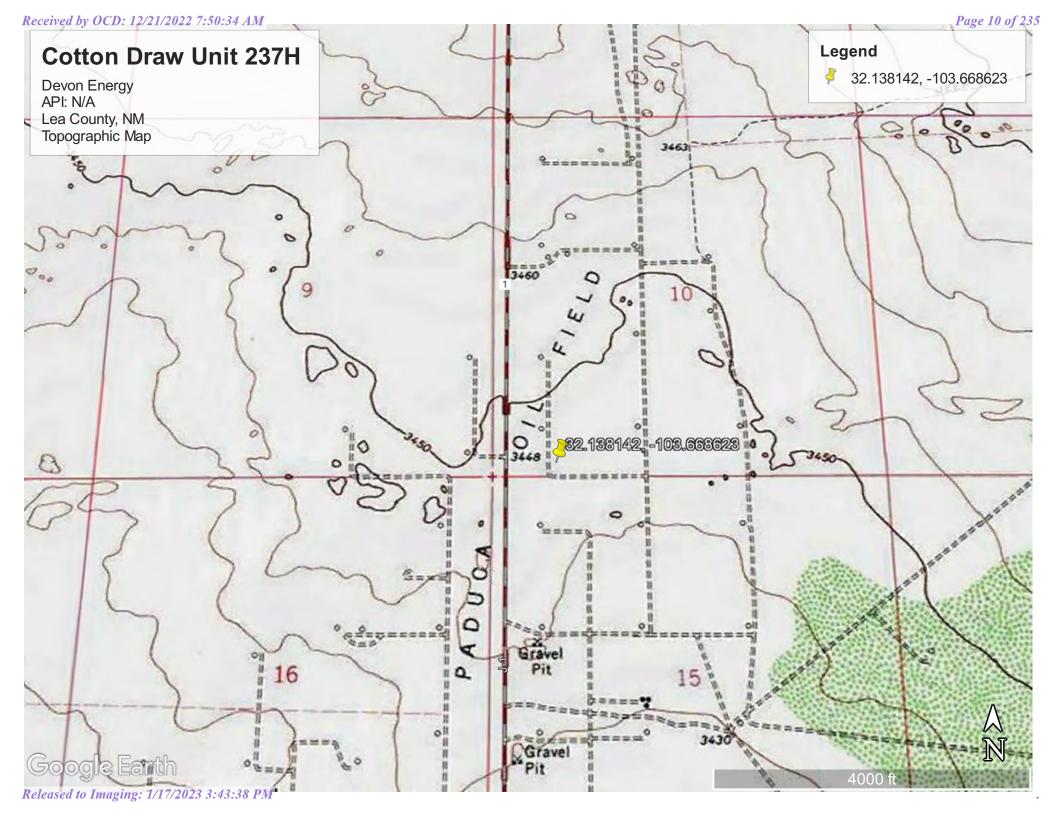
2-Topo Map

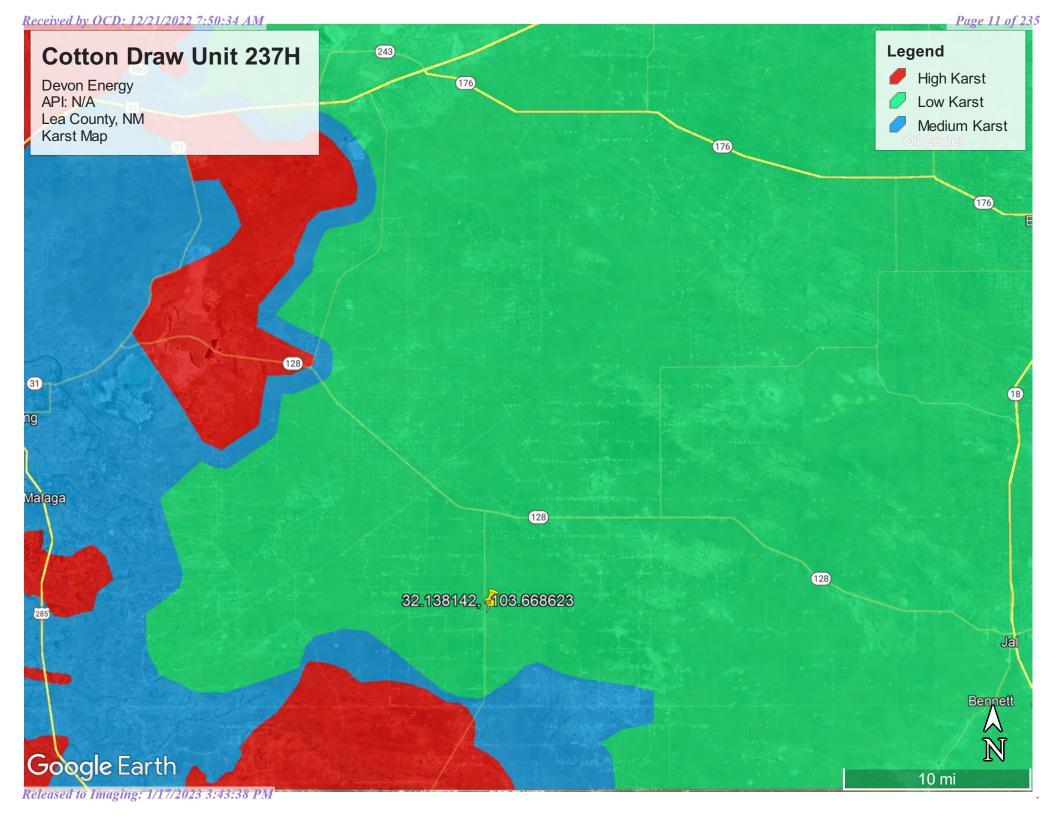
3-Karst Map

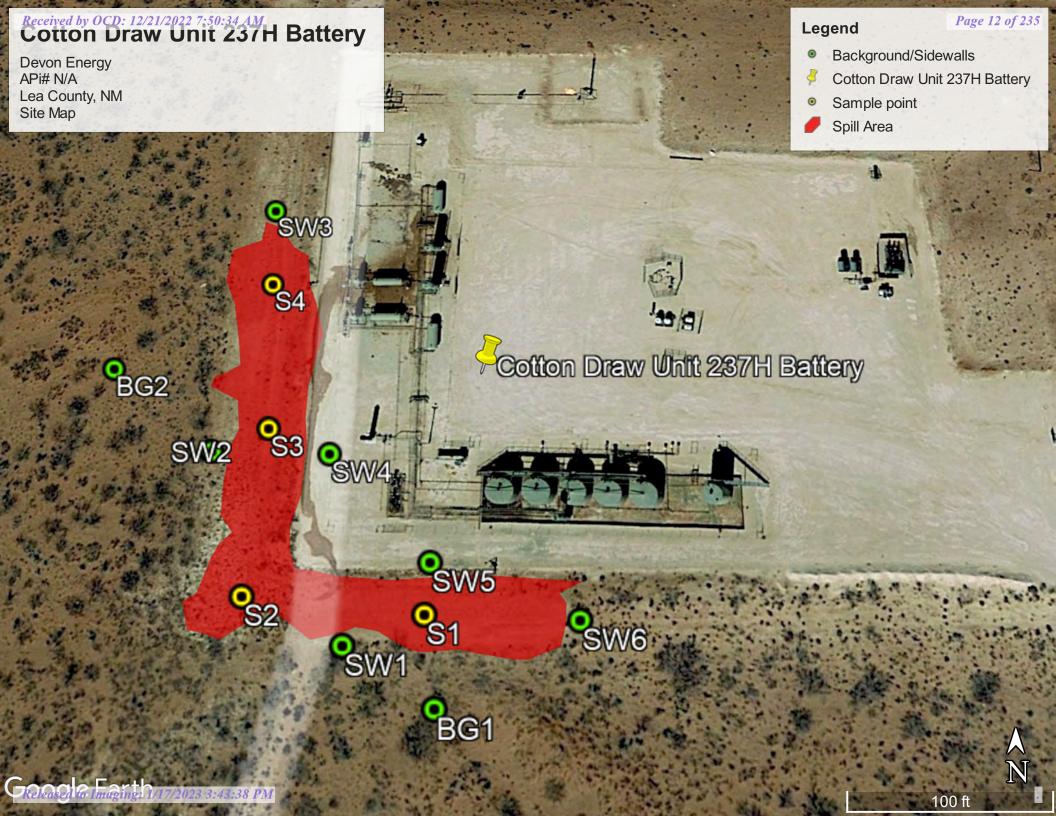
4-Site Map

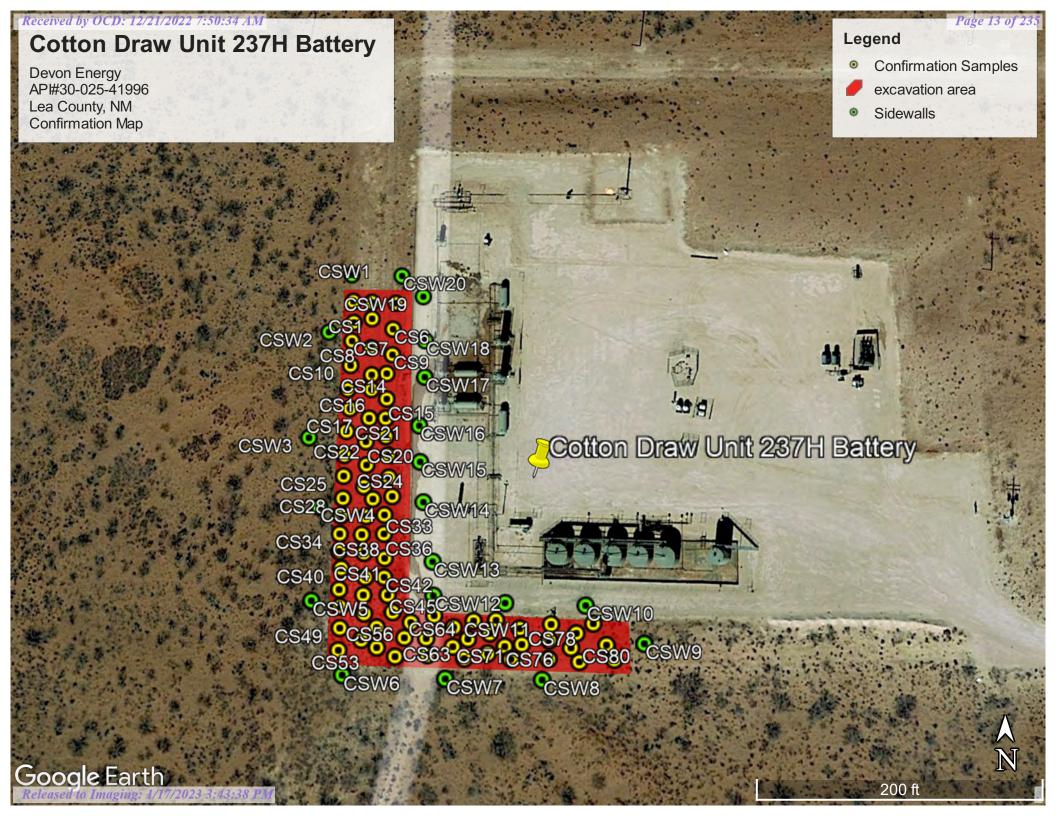
5-Confirmation Site Map













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

		Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep	othWater Co	olumn
C 04634 POD1		CUB	LE	4	3	3	10	25S	32E	625643	3556522	70	55		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	4389	55		
C 04536 POD1		C	LE	1	2	2	33	24S	32E	625019	3561244	4753	500	314	186
C. 04618 POD1		CUB	LE	3	4	3	18	25S	32E	621041	3554886	4818	55		

Average Depth to Water:

314 feet

Minimum Depth:

314 feet

Maximum Depth:

314 feet

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 625572.57

Northing (Y): 3556523.47

Radius: 5000

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.

7/20/22 1:03 PM

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

NA

C 04634 POD1

10 25S 32E

625643 3556522

Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

ATKINS, JACKIE D.UELENER

Drill Finish Date:

06/07/2022

Plug Date:

Drill Start Date: Log File Date:

06/07/2022 06/16/2022

PCW Rcv Date:

Pump Type:

Depth Well:

Source:

Casing Size:

Pipe Discharge Size:

Estimated Yield: 0 GPM

55 feet

Depth Water:

Casing Perforations:

Top Bottom

0 55

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.

12/21/22 6:54 AM

POINT OF DIVERSION SUMMARY



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 321005103402301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321005103402301 24S.32E.33.42241

Available data for this site	Groundwater: Field measure	ments	∨ GO
Lea County, New Mexico			
Hydrologic Unit Code 1307	0001		
Latitude 32°10'21.6", Lon	gitude 103°40'18.9" N	AD83	
Land-surface elevation 3,4	99.00 feet above NGV	D29	
The depth of the well is 36	7 feet below land surfa	ace.	
	Oth :: (/NIOO	COCTUE	

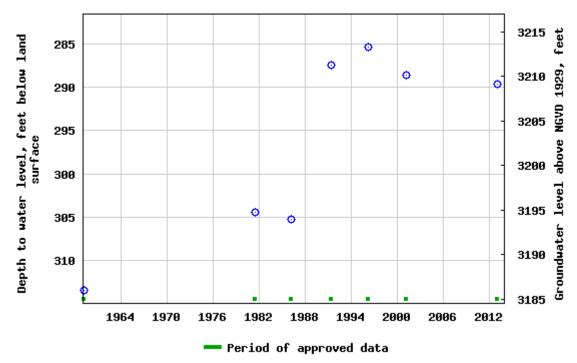
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

Output formats

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

USGS 321005103402301 245.32E.33.42241



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
News

Accessibility

FOIA

Privacy

Policies and Notices

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

Title: Groundwater for USA: Water Levels

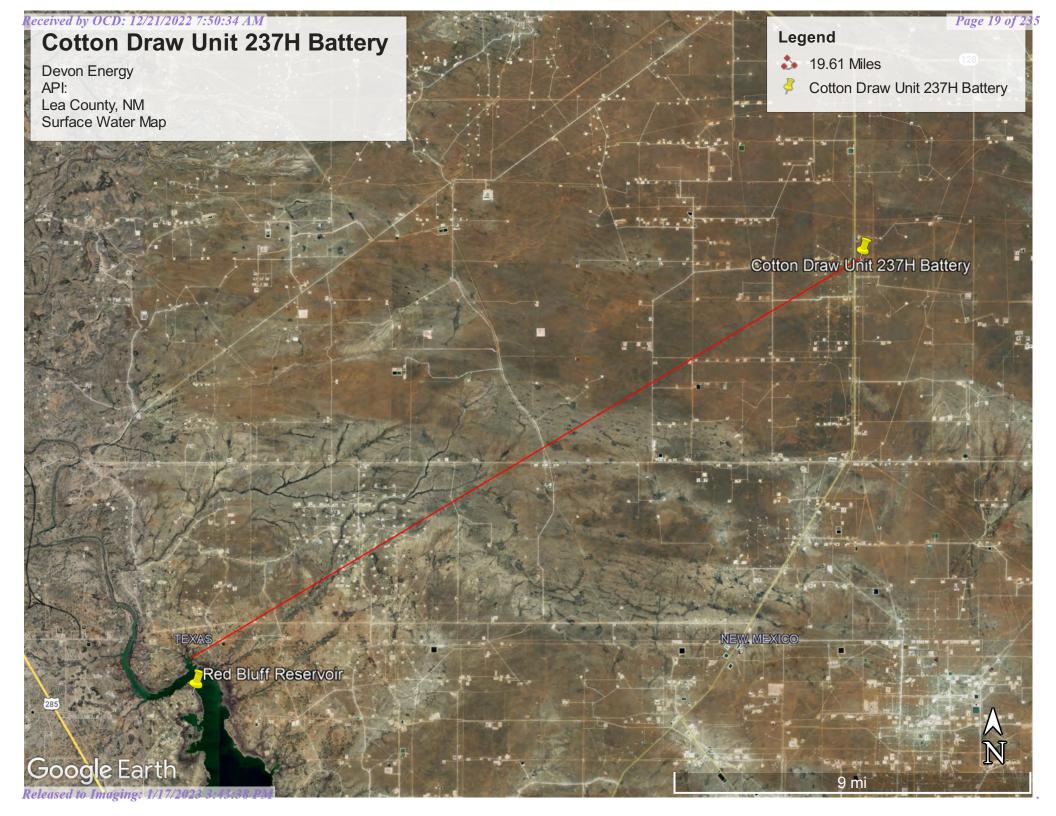
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2022-07-20 15:01:03 EDT

0.55 0.46 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Lea County, New Mexico

PT—Pyote loamy fine sand

Map Unit Setting

National map unit symbol: dmqp Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 200 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Pyote and similar soils: 85 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

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

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 25 inches: loamy fine sand Bt - 25 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Negligible

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: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 8 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Palomas

Percent of map unit: 7 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



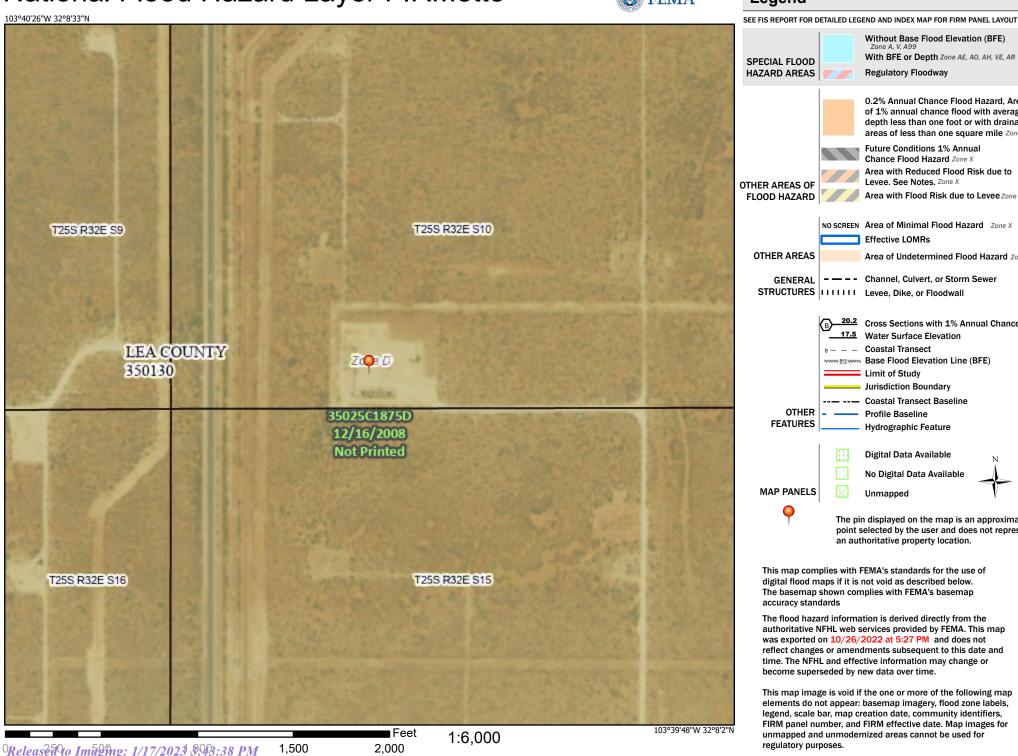
Legend

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 | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 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 MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

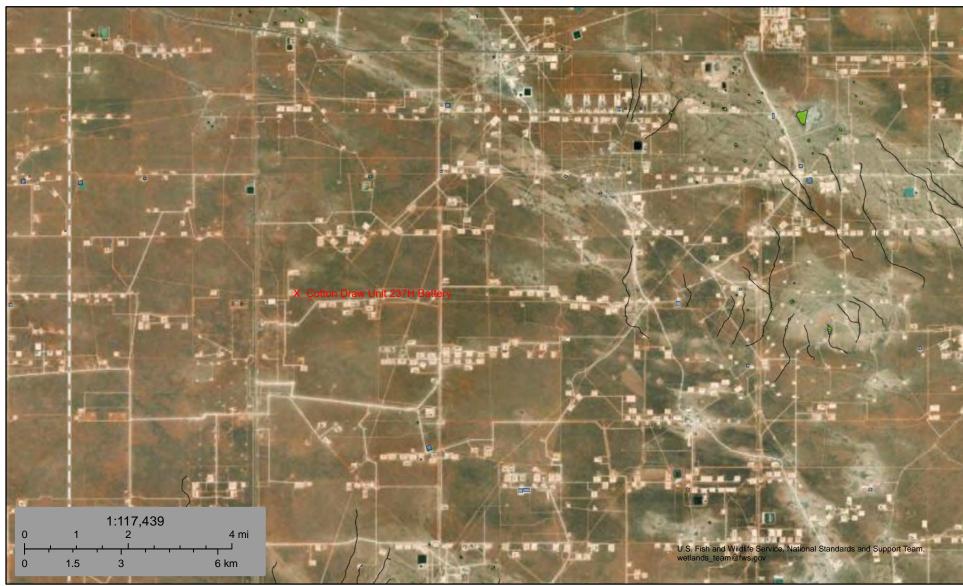
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/26/2022 at 5:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.





Wetlands Map



November 4, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

0.1

Riverine

Other

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

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party OGRID							
Contact Name Contact To			elephone				
Contact emai	1			Incident #	(assigned by OCL	0)	
Contact mail	ing address						
			Location	of Release So	ource		
Latitude			(NAD 83 in dec	Longitude _cimal degrees to 5 decin	nal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if app	licable)		
Unit Letter	Section	Township	Range	Coun	nty		
Crude Oil	Material	Federal Tr	Nature and	l Volume of I	justification for th	the volumes provided below) covered (bbls)	
Produced						covered (bbls)	
Froduced	water	Volume Released (bbls) Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?			Yes 1	<u> </u>	
Condensa				Volume Recovered (bbls)			
☐ Natural G	Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (des	Other (describe) Volume/Weight Released (provide units)		Volume/Wei	ight Recovered (provide units)			
Cause of Rela	ease						

Received by OCD: 12/21/2022 7:50:34 AM State of New Mexico
Page 2 Oil Conservation Division

P	ag	Рâ	gе	of	235
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Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
Yes No		
105 [] 100		
If YES, was immediate no	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
	is been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence to	emediation immediately after discovery of a release. If remediation
has begun, please attach a	a narrative of actions to date. If remedial	efforts have been successfully completed or if the release occurred
		blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger
		OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
		responsibility for compliance with any other federal, state, or local laws
Printed Name:	0.//	Title:
Signature: Nendra	DeHoyos	Date:
email:		Telephone:
OCD Only	_	
	Marcus	D 2/22/2022
Received by: Kamolia	Marcus	Date: 2/22/2022

	Page 28 of 2.	35
Incident ID	nAPP2203738955	
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.

51-100 (ft bgs)			
Yes X No			
☐ Yes 🗓 No			
Yes X No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
 ∑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ∑ Field data ∑ Data table of soil contaminant concentration data ∑ Depth to water determination ∑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ☐ Boring or excavation logs ∑ Photographs including date and GIS information ∑ Topographic/Aerial maps ∑ Laboratory data including chain of custody 			

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

Received by OCD: 12/21/2022 7:50:34 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page 29 of 235

Incident ID	nAPP2203738955
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: EHS Professional		
Signature: Dale Woodall	Date: 12/21/22		
email:dale.woodall@dvn.com	Telephone: 405-318-4697		
OCD Only			
Received by:	Date:		

Page 30 of 235 Incident ID nAPP2203738955 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.

Classes Dancet Attachment Charliete Engl of the Cities :	tame much be in all ded in the alarma manage
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 19.15.29.1	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 ODC	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	ntions. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in
email: dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by:	Date:
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 or regulations.
Closure Approved by:	Date: 01/17/2023
Printed Name: Jennifer Nobui	Title: _Environmental Specialist A



Gio PimaOil <gio@pimaoil.com>

48-Hour Notification - NAPP2203738955

1 message

tom@pimaoil.com <tom@pimaoil.com>

To: OCDOnline@state.nm.us

Cc: Gio PimaOil <gio@pimaoil.com>, sebastian@pimaoil.com

Wed, Sep 21, 2022 at 5:50 AM

Good Morning,

Pima Environmental would like to notify you that we have scheduled a confirmation sampling event at the Cotton Draw Unit 237 CTB for incident NAPP2203738955. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Friday, September 23rd, 2022. If you have any questions or concerns, please let me know. Thank you.

THANK YOU.

Tom Bynum

Cell - 580-748-1613

Office - 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS DEVON ENERGY

COTTON DRAW UNIT 237 CTB 2

Pre-Treatment





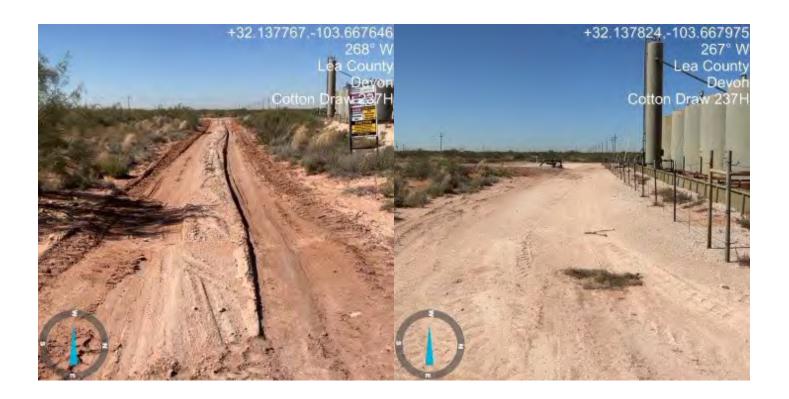








Post Treatment







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 237H Battery

Work Order: E207169

Job Number: 01058-0007

Received: 7/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/28/22

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

Date Reported: 7/28/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Cotton Draw Unit 237H Battery

Workorder: E207169

Date Received: 7/25/2022 10:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2022 10:15:00AM, under the Project Name: Cotton Draw Unit 237H Battery.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 237H Battery 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

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/22 17:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E207169-01A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SW2	E207169-02A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SW3	E207169-03A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SW4	E207169-04A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SW5	E207169-05A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SW6	E207169-06A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.1 1'	E207169-07A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.1 3'	E207169-08A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.1 6'	E207169-09A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.2 1'	E207169-10A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.2 3'	E207169-11A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.2 5'	E207169-12A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.3 1'	E207169-13A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.3 4'	E207169-14A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.3 8'	E207169-15A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.4 1'	E207169-16A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.4 3'	E207169-17A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
S.4 5'	E207169-18A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
BG 1	E207169-19A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
BG 2	E207169-20A	Soil	07/20/22	07/25/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW1

E207169-01

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2231012
Benzene	ND	0.0250	1	0	7/25/22	07/27/22	
Ethylbenzene	ND	0.0250	1	0	7/25/22	07/27/22	
Toluene	ND	0.0250	1	0	7/25/22	07/27/22	
o-Xylene	ND	0.0250	1	0	7/25/22	07/27/22	
p,m-Xylene	ND	0.0500	1	0	7/25/22	07/27/22	
Total Xylenes	ND	0.0250	1	0	7/25/22	07/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	0	7/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	0	7/25/22	07/27/22	
Surrogate: Toluene-d8		105 %	70-130	0	7/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg Analyst: RKS			Batch: 2231012		
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	7/25/22	07/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	0	7/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	0	7/25/22	07/27/22	
Surrogate: Toluene-d8		105 %	70-130	0	7/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	0	7/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	0	7/27/22	07/27/22	
Surrogate: n-Nonane		102 %	50-200	0	7/27/22	07/27/22	
				1 1 DAG			Batch: 2231045
Anions by EPA 300.0/9056A	mg/kg	mg/kg	P	Analyst: RAS			Batch: 2231045



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW2

		E207169-02					
Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/27/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/27/22	
Toluene	ND	0.0250		1	07/25/22	07/27/22	
o-Xylene	ND	0.0250		1	07/25/22	07/27/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/27/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/27/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8		104 %	70-130		07/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/27/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8		104 %	70-130		07/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	:: JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/27/22	
Surrogate: n-Nonane		102 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	t: RAS		Batch: 2231045
Chloride	90.9	20.0		1	07/27/22	07/27/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW3

E2071	69-	-03
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Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/27/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/27/22	
Toluene	ND	0.0250		1	07/25/22	07/27/22	
o-Xylene	ND	0.0250		1	07/25/22	07/27/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/27/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/27/22	
Surrogate: n-Nonane		106 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2231045
Chloride	32.2	20.0		1	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW4

E207169-04

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	RKS		Batch: 2231012
Benzene	ND	0.0250	1		07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1		07/25/22	07/28/22	
Toluene	ND	0.0250	1		07/25/22	07/28/22	
o-Xylene	ND	0.0250	1		07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1		07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1		07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/27/22	07/27/22	
Surrogate: n-Nonane		104 %	50-200		07/27/22	07/27/22	
		mg/kg		Analyst: I	RAS		Batch: 2231045
Anions by EPA 300.0/9056A	mg/kg	mg/kg		mary st. 1			Batch. 2231043



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW5

E207169-05

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Benzene	ND	0.0250	1	l	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	l	07/25/22	07/28/22	
Toluene	ND	0.0250	1	l	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	l	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	l	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	l	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/27/22	07/27/22	
Surrogate: n-Nonane		104 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2231045



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

SW6

	E207169-06						
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Benzene	ND	0.0250	1	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	l	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/27/22	07/27/22	
Surrogate: n-Nonane		102 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2231045

20.0

07/27/22

07/28/22

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.1 1' E207169-07

		220.10, 0.					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
			Di		•	Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/27/22	
Surrogate: n-Nonane		101 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2231045
Chloride	1550	20.0		1	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.1 3' E207169-08

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2231012
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130	07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130	07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/22	07/27/22	
Surrogate: n-Nonane		103 %	50-200	07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2231045
Chloride	1470	20.0	1	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.1 6' E207169-09

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Rl	KS		Batch: 2231012
Benzene	ND	0.0250	1	I	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	l	07/25/22	07/28/22	
Toluene	ND	0.0250	1	l	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	l	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	l	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	[07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Rl	KS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/27/22	07/28/22	
Surrogate: n-Nonane		106 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2231045

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.2 1' E207169-10

	D. I	Reporting		,·	D 1		N
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: R	KS		Batch: 2231012
Benzene	ND	0.0250	1		07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1		07/25/22	07/28/22	
Toluene	ND	0.0250	1		07/25/22	07/28/22	
o-Xylene	ND	0.0250	1		07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1		07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: R	KS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JI	L		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1		07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/27/22	07/28/22	
Surrogate: n-Nonane		107 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R	AS		Batch: 2231045
Chloride	11000	400	20)	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.2 3' E207169-11

		220710711					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/28/22	Button: 2201012
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	:	1	07/27/22	07/28/22	
Surrogate: n-Nonane		99.3 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2231045
Chloride	2040	40.0		2	07/27/22	07/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.2 5' E207169-12

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	RKS		Batch: 2231012
Benzene	ND	0.0250	1	l	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	l	07/25/22	07/28/22	
Toluene	ND	0.0250	1	l	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	Į.	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	Į.	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: Jl	L		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1		07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/27/22	07/28/22	
Surrogate: n-Nonane		105 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	RAS		Batch: 2231045
· · · · · · · · · · · · · · · · · · ·							

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.3 1' E207169-13

		2207107 10					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2231012
Renzene	ND	0.0250		1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/28/22	
Surrogate: n-Nonane		107 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2231045
Chloride	820	20.0		1	07/27/22	07/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.3 4' E207169-14

		E20/107-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		108 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		108 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	:: JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/28/22	
Surrogate: n-Nonane		110 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	:: RAS		Batch: 2231045
Chloride	1030	20.0		1	07/27/22	07/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.3 8' E207169-15

		120/10/ 10					
	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2231012
Benzene	ND	0.0250		1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: ЛL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/28/22	
Surrogate: n-Nonane		107 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2231045
Chloride	ND	20.0		1	07/27/22	07/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.4 1' E207169-16

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Benzene	ND	0.0250	1	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		105 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/27/22	07/28/22	
Surrogate: n-Nonane		107 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2231045
Chloride	1990	20.0	1	1	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.4 3' E207169-17

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2231012
Benzene	ND	0.0250	1	l	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	l	07/25/22	07/28/22	
Toluene	ND	0.0250	1	l	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	l	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	l	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	[07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	,	Analyst: RKS			Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/27/22	07/28/22	
Surrogate: n-Nonane		126 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2231045
Chloride	2130	40.0	2	2	07/27/22	07/28/22	•

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

S.4 5' E207169-18

		E20/109-18					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst:	RKS		Batch: 2231012
Benzene	ND	0.0250	1	l	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	l	07/25/22	07/28/22	
Toluene	ND	0.0250	1	l	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	l	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	l	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0	1	l	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	[07/27/22	07/28/22	
Surrogate: n-Nonane		110 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2231045
Chloride	ND	20.0	1	1	07/27/22	07/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

BG 1 E207169-19

		220.10, 1,					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg		Dii	Analyst		7 mary zea	Batch: 2231012
Volatile Organic Compounds by EPA 8260B		mg/kg		Allaryst	07/25/22	07/28/22	Batch: 2231012
Benzene	ND	0.0250		1			
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/28/22	
Surrogate: n-Nonane		110 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2231045
Chloride	ND	20.0		1	07/27/22	07/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

BG 2 E207169-20

		2201107 20					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg		Dii	Analyst		Zinaryzed	Batch: 2231012
Volatile Organic Compounds by EPA 8260B		mg/kg		Anaryst	07/25/22	07/28/22	Batch: 2231012
Benzene	ND	0.0250		1			
Ethylbenzene	ND	0.0250		1	07/25/22	07/28/22	
Toluene	ND	0.0250		1	07/25/22	07/28/22	
o-Xylene	ND	0.0250		1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/28/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/25/22	07/28/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		07/25/22	07/28/22	
Surrogate: Toluene-d8		106 %	70-130		07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2231040
Diesel Range Organics (C10-C28)	ND	25.0		1	07/27/22	07/28/22	-
Oil Range Organics (C28-C36)	ND	50.0		1	07/27/22	07/28/22	
Surrogate: n-Nonane		109 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2231045
Chloride	ND	20.0		1	07/27/22	07/28/22	



QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw Unit 237H BatteryReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum7/28/20225:02:16PM

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				7/2	28/2022 5:02:16PM
	Ve	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231012-BLK1)							Prepared: 0	7/25/22 Ana	lyzed: 07/28/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2231012-BS1)							Prepared: 0	7/25/22 Ana	lyzed: 07/28/22
Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.48	0.0250	2.50		99.2	70-130			
p,m-Xylene	4.92	0.0500	5.00		98.3	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
LCS Dup (2231012-BSD1)							Prepared: 0	7/25/22 Ana	lyzed: 07/28/22
Benzene	2.73	0.0250	2.50		109	70-130	6.34	23	
Ethylbenzene	2.83	0.0250	2.50		113	70-130	6.38	27	
Toluene	2.75	0.0250	2.50		110	70-130	6.63	24	
o-Xylene	2.67	0.0250	2.50		107	70-130	7.21	27	
p,m-Xylene	5.27	0.0500	5.00		105	70-130	7.04	27	
Total Xylenes	7.94	0.0250	7.50		106	70-130	7.09	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
×									

0.500

0.523

70-130

105



Surrogate: Toluene-d8

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw Unit 237H BatteryReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum7/28/20225:02:16PM

Nonhalogenated Organics by EPA 8015D - GRO								A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231012-BLK1)						1	Prepared: 0	7/25/22 Analy	yzed: 07/28/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2231012-BS2)						Prepared: 07	/25/22 Analyze	ed: 07/28/22
Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	112	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500	96.3	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			
LCS Dup (2231012-BSD2)						Prepared: 07	/25/22 Analyze	ed: 07/28/22
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	108	70-130	4.27	20	

0.500

0.500

0.500

0.495

0.481

0.527

99.0

96.2

105

70-130

70 - 130

70-130

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 5:02:16PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				7	7/28/2022 5:02:16PM
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231040-BLK1)							Prepared: 0	7/27/22 An	alyzed: 07/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			
LCS (2231040-BS1)							Prepared: 0	7/27/22 An	alyzed: 07/27/22
Diesel Range Organics (C10-C28)	205	25.0	250		82.1	38-132			
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			
Matrix Spike (2231040-MS1)				Source:	E207169-	18	Prepared: 0	7/27/22 An	alyzed: 07/27/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132			
Surrogate: n-Nonane	47.1		50.0		94.3	50-200			
Matrix Spike Dup (2231040-MSD1)				Source:	E207169-	18	Prepared: 0	7/27/22 An	alyzed: 07/27/22
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	38-132	1.02	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			
esel Range Organics (C10-C28)		25.0			92.8	38-132			alyzed: 07



QC Summary Data

Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247	I	Project Name: Project Number: Project Manager	0	Cotton Draw U 1058-0007 Com Bynum	nit 237H B	attery			Reported: 7/28/2022 5:02:16PM
,				300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231045-BLK1)							Prepared: 0'	7/27/22 A	analyzed: 07/27/22
Chloride	ND	20.0							
LCS (2231045-BS1)							Prepared: 0'	7/27/22 A	analyzed: 07/27/22
Chloride	243	20.0	250		97.3	90-110			
Matrix Spike (2231045-MS1)				Source:	E207169-	01	Prepared: 0'	7/27/22 A	analyzed: 07/27/22
Chloride	244	20.0	250	ND	97.5	80-120			
Matrix Spike Dup (2231045-MSD1)				Source:	E207169-	01	Prepared: 0'	7/27/22 A	analyzed: 07/27/22
Chloride	245	20.0	250	ND	98.1	80-120	0.634	20	

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/22 17:02

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

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Chain of Custody

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Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip									مهط				Analys	is an	d Met	hod					in the second se		RCRA
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City, State Phone: §			<u>//, 0024L</u>		1 1-	Email:			ا د	2	ı					- 1	Ì			ſ		State	
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Project Information

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nail: te eport du	om@pin ie by:	naoil.cor	<u>n</u>			Pima Project #/32			DRO/ORO by 8015	GRO/DRO by 8015	, 8021	8260	6010	Chloride 300.0		N.	¥		7		51 42		
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				ticity of this sample may be grounds fo		n aware that tempering with or inten action. <u>Sampled by:</u>	tionally mislabel	lling the samp	le loca	tion,		e							celved on ice th i °C on subsequ			npied or re	ceive
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Printed: 7/25/2022 3:49:52PM

Envirotech Analytical Laboratory

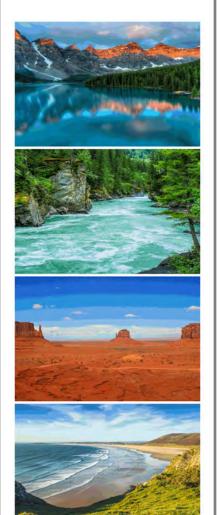
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/25/22 10	D:15		Work Order ID:	E207169
Phone:	(575) 631-6977	Date Logged In:	07/25/22 11	1:10		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:		7:00 (3 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>IPS</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)			[
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab 20. Were	oel field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	•			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were p	recerved?	No				
	•	reserveu?	No NA				
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	netale?	No				
	•	icuis.	110				
	se Sample Matrix	9	3.7				
	the sample have more than one phase, i.e., multipha		No				
	does the COC specify which phase(s) is to be analy	yzed?	NA				
-	act Laboratory						
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: na		
Client In	<u>istruction</u>						

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 237

Work Order: E209160

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/29/22

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

Date Reported: 9/29/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw 237

Workorder: E209160

Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Cotton Draw 237.

The analytical test results summarized in this report with the Project Name: Cotton Draw 237 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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labadmin@envirotech-inc.com

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Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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

Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 15:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E209160-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS2	E209160-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS3	E209160-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS4	E209160-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS5	E209160-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS6	E209160-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS7	E209160-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS8	E209160-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS9	E209160-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS10	E209160-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS11	E209160-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS12	E209160-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS13	E209160-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS14	E209160-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS15	E209160-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS16	E209160-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS17	E209160-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS18	E209160-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS19	E209160-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS20	E209160-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS1

		E209100-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		110 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		112 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2240068
				·	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS3

	D				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2240056
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0500	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
	98.9 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2240056
ND	20.0	1	09/28/22	09/28/22	
	87.6 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	lyst: JL		Batch: 2240042
ND	25.0	1	09/28/22	09/28/22	
ND	50.0	1	09/28/22	09/28/22	
	114 %	50-200	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	lyst: KL		Batch: 2240068
	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 mg/kg mg/kg ND 20.0 87.6 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Anai ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Anai ND 20.0 1 87.6 % 70-130 mg/kg mg/kg Anai ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0500 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/28/22 ND 50.0 1 09/28/22 09/28/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		110 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
Chloride	ND	20.0		09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS5

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		104 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS6

	ъ .:				
					
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0500	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
	100 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
ND	20.0	1	09/28/22	09/28/22	
	89.0 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
ND	25.0	1	09/28/22	09/28/22	
ND	50.0	1	09/28/22	09/28/22	
	109 %	50-200	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
	ND ND 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 0.0250 mg/kg mg/kg MD 20.0 89.0 % mg/kg ND 25.0 ND 50.0 109 %	Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 mg/kg mg/kg Anal ND 20.0 1 89.0 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 109 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22 109 % 50-200 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0500 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 70-130 09/28/22 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/28/22 ND 50.0 1 09/28/22 09/28/22 ND 50.0 1 09/28/22 09/28/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		112 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane		110 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2240068
-	ND			09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200	09/28/22	09/29/22	
	Л		Ana	lyst: KL		Batch: 2240068
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Alla	iyst. KL		Daten. 22-10000



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS10

	ъ .				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0500	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
	100 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
ND	20.0	1	09/28/22	09/28/22	
	88.1 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	108 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	yst: KL		Batch: 2240068
	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 I00 % mg/kg mg/kg ND 20.0 88.1 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 88.1 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0500 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 mg/kg 70-130 09/28/22 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 25.0 1 09/28/22 09/29/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS11

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		108 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS12

		Danastina				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2240068
Amons by E1 A 500.0/7030A						



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		114 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
				09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		88.8 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
·	ND	20.0		09/28/22	09/28/22	•



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		118 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	_



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS16

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS17

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
ND	0.0500	1	09/28/22	09/28/22	
ND	0.0250	1	09/28/22	09/28/22	
	99.0 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2240056
ND	20.0	1	09/28/22	09/28/22	
	89.4 %	70-130	09/28/22	09/28/22	
mg/kg	mg/kg	Analy	st: JL		Batch: 2240042
mg/kg ND	mg/kg 25.0	Analys	st: JL 09/28/22	09/29/22	Batch: 2240042
		Analys 1 1		09/29/22 09/29/22	Batch: 2240042
ND	25.0	Analys 1 1 1	09/28/22		Batch: 2240042
ND	25.0 50.0	1	09/28/22 09/28/22 09/28/22	09/29/22	Batch: 2240042 Batch: 2240068
	mg/kg ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 99.0 % mg/kg MD 20.0	Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 70-130 mg/kg mg/kg Analys ND 20.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg 70-130 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 09/28/22 ND 0.0500 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 99.0 % 70-130 09/28/22 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/28/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS18

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		115 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS19

	Donartina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2240056
ND	0.0250	1	09/28/22	09/29/22	_
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	99.1 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2240056
ND	20.0	1	09/28/22	09/29/22	
	87.5 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2240042
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	117 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	lyst: KL		Batch: 2240068
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg ND 20.0 87.5 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 70-130 mg/kg mg/kg Ana ND 20.0 1 87.5 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 25.0 1 09/28/22 09/29/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

CS20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		115 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

Plains TX, 79355-0247		Project Manager	: To	m Bynum				9/2	29/2022 3:17:57PM	
Volatile Organics by EPA 8021B Analyst: RKS										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2240056-BLK1)]	Prepared: 0	9/28/22 Ana	lyzed: 09/29/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
-Xylene	ND	0.0250								
,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130				
LCS (2240056-BS1)]	Prepared: 0	9/28/22 Ana	lyzed: 09/29/22	
Benzene	5.30	0.0250	5.00		106	70-130				
Ethylbenzene	4.34	0.0250	5.00		86.9	70-130				
Coluene	4.61	0.0250	5.00		92.3	70-130				
-Xylene	4.41	0.0250	5.00		88.2	70-130				
,m-Xylene	8.81	0.0500	10.0		88.1	70-130				
Total Xylenes	13.2	0.0250	15.0		88.1	70-130				
Gurrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130				
LCS Dup (2240056-BSD1)]	Prepared: 0	9/28/22 Ana	lyzed: 09/29/22	
Benzene	4.75	0.0250	5.00		94.9	70-130	11.0	20		
thylbenzene	3.90	0.0250	5.00		78.0	70-130	10.7	20		
oluene	4.13	0.0250	5.00		82.7	70-130	11.0	20		
-Xylene	3.97	0.0250	5.00		79.3	70-130	10.6	20		
,m-Xylene	7.93	0.0500	10.0		79.3	70-130	10.4	20		
Total Xylenes	11.9	0.0250	15.0		79.3	70-130	10.5	20		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cotton Draw 237 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				9/2	9/2022 3:17:57PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO		A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240056-BLK1)							Prepared: 0	9/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.5	70-130			
LCS (2240056-BS2)							Prepared: 0	9/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130			
LCS Dup (2240056-BSD2)							Prepared: 0	9/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130	1.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:17:57PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					9/29/2022 3:17:57PM
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL									
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240042-BLK1)							Prepared: 0	9/28/22 A1	nalyzed: 09/28/22
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.8		50.0		114	50-200			
CS (2240042-BS1)							Prepared: 0	9/28/22 Aı	nalyzed: 09/28/22
iesel Range Organics (C10-C28)	226	25.0	250		90.6	38-132			
urrogate: n-Nonane	56.3		50.0		113	50-200			
Iatrix Spike (2240042-MS1)				Source:	E209160-	14	Prepared: 0	9/28/22 A1	nalyzed: 09/28/22
iesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	38-132			
ırrogate: n-Nonane	56.3		50.0		113	50-200			
Iatrix Spike Dup (2240042-MSD1)				Source:	E209160-	14	Prepared: 0	9/28/22 A1	nalyzed: 09/28/22
iesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132	2.18	20	
urrogate: n-Nonane	56.1		50.0		112	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	(Cotton Draw 23 01058-0007	7				Reported:	
Plains TX, 79355-0247		Project Manager Anions		Tom Bynum 300.0/9056A	<u> </u>				9/29/2022 3:17:57PM Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240068-BLK1)							Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240068-BS1)							Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
Chloride	271	20.0	250		109	90-110			
LCS Dup (2240068-BSD1)							Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
Chloride	275	20.0	250		110	90-110	1.21	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 15:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information	
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Chain	of	Custody
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			and authent I fraud and (ičily of this samp may be grounds (ole. I am aware for legal action.		elling the sample	e locati	on,	-									on ice the day t subsequent day		d or received
	harat	andes	Date 9/	27/22	2:30	Recoived by: (Spotting)	Pate 7	76	Time	?_(R	ived	on ic	. <i>(</i>	AA (Jse Or N	ily			
Relinquishe		<i>V</i>	Cair	374	ime (Received by: (Signature)	928	2	Time	0:0	0	n	76.00 W 4.	n ser			FV Webselver		13	rad e y sta sa	
Relinquishe	d by: (Signa	iture)	Date	T	ime	Received by: (Signature)	Date		Time			AVG	Tem	p °C_	प				1.1.5.		
Sample Matr	ix: S - Soil, So	- Solid, Sg -	Słudge, A - A	queous, O - Oth	er		Containe	г Туре	: g - s	dass.					nber g	ass, v	- VOA		<u>1. 114 - 1777 († 1</u> 6	a de la França de	
Note: Samp	les are disc	arded 30 d	ays after re	sults are repor	ted unless oth	ner arrangements are made. Hazardou		be ret	urned	to cli	ent or	dispo	sed of	at the	nber g client e	ass, v openso	- VOA e. The	report	for the ana	ysis of the	bove

Page 32	
_	

g the sample location,	Semples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
bate - 272 5 3'(Received on Ice: (Y) N
Date Time	<u>n</u> 12 13
Container Type: g - glass, p -	AVG Temp °C
imples will be returned to client is limited to the amount paid for	or disposed of at the client expense. The report for the analysis of the above on the report.

Project Information	1				Chain	of Custody	1											Page	2_of_[(
Client: Pima Envi Project: (Olo M) (Oloroject Manager:	aw un	ut/37	Atte	ntion: NO	BILL TO N ENERGY		Lab.	WO#			e On Job		Wr.	1D.	2D	TA [*]	T Standard ∰	EPA P	rogram SDWA
Address: 5614 N. City, State, Zip Ho Phone: 580-748- Email: tom@pin Report due by:	bbs. NA 1613	1. 88240	Pho Emi		27		by 8015		,		Analy	sis and	Method	MM	<u> </u>		NM CO	State UT AZ	RCRA
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID		<u> </u>	l <i>a</i> b Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3		верос	BGDOC 1		XI	Remarks	<u> </u>
B:50 9/26/22	2,	1	CS II			11								X					
3.55			CS 12			12								1					
7:00			CSIS			13													
1:05			CS 14		**	14													
7:10			0915			15													
1:/5			CS 16		····	1(0													
7:20			0917	•		M								\top					
7.25			M 18			18								Ť			- 		
7:30			ng 19		•	19								\dagger		I			
7:35			CS 2D			20						+		\dagger					
Additional Instruct	ions: Q_i	llina*	2110041	757		140			اــــا			LL		'					
(field sampler), attest to	the validity	and authenti	city of this sample. I am aware that be grounds for legal action.	nat tampering with o	or intentionally mislabell	ing the sample	locatio	en,									eived on ice the day °C on subsequent de		led or received
Mary a	des	9/2	27/22 2:30		W	Date 7	10	Time S	E		0430 <u>3</u> 8	/				e Onl	Ý		
delinguished/by: (Nie)a	The state of the s	Il in	7-82 "Le. (G	Received by: (Sign	nature)	ÖX	27	Time ($\chi\chi$	\mathcal{C}	11						13		
elinqu ished by: (Signa	ture)	Date	Time	Received by: (Sig	nature)	Date		Time		 -	AVG	Temp	*C	1					o ga egil egileri Anglera egileri Markanga ga egil
ample Matrix: S - Soil, Sd			queous, O - Other sults are reported unless othe			Container	Type	: g - g	lass,					r gla	ss. v -	VOA			



Printed: 9/28/2022 11:53:12AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

			,		•
Client:	Pima Environmental Services-Carlsbad	Date Received:	09/28/22 10:00)	Work Order ID: E209160
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:20)	Logged In By: Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:00	0 (1 day TAT)	
Chain of	Custody (COC)				
	ne sample ID match the COC?		Yes		
	ne number of samples per sampling site location mate	ch the COC			
	amples dropped off by client or carrier?		Yes Yes	Camian I	Inc
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>U</u>	<u> </u>
	Il samples received within holding time?	ica anaryses.	Yes		
5. ,,o.o.u	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio	•	100		Comments/Resolution
Sample T	<u> urn Around Time (TAT)</u>				
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cotton Draw 237 has been split
Sample C	<u>Cooler</u>				into multiple workorders/reports due to
7. Was a	sample cooler received?		Yes		smaple volume. WO# are as follows:
8. If yes,	was cooler received in good condition?		Yes		E209160/ E209161/ E209162/ E209163/
9. Was th	e sample(s) received intact, i.e., not broken?		Yes		
10. Were	custody/security seals present?		No		E209164
	, were custody/security seals intact?		NA		
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°C	<u>C</u>		
Sample (Container				
14. Are a	queous VOC samples present?		No		
15. Are V	OC samples collected in VOA Vials?		NA		
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA		
17. Was a	trip blank (TB) included for VOC analyses?		NA		
18. Are n	on-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes		
Field Lal	<u>oel</u>				
20. Were	field sample labels filled out with the minimum info	rmation:			
	ample ID?		Yes		
	ate/Time Collected? ollectors name?		Yes		
			No		
	<u>Preservation</u> the COC or field labels indicate the samples were pr	acarrod?	No		
	ample(s) correctly preserved?	esci ved:	NA NA		
	filteration required and/or requested for dissolved m	etals?	No		
		cuis.	110		
	se Sample Matrix	0	3.7		
	the sample have more than one phase, i.e., multiphas		No		
	, does the COC specify which phase(s) is to be analy	zed?	NA		
	act Laboratory				
	amples required to get sent to a subcontract laborator	•	No		
29. Was a	subcontract laboratory specified by the client and if	so who?	NA Sub	ocontract Lab	b: NA
Client I	<u>istruction</u>				

Date

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 237

Work Order: E209161

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/29/22

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

Date Reported: 9/29/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw 237

Workorder: E209161

Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Cotton Draw 237.

The analytical test results summarized in this report with the Project Name: Cotton Draw 237 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

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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

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21	E209161-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS22	E209161-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS23	E209161-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS24	E209161-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS25	E209161-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS26	E209161-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS27	E209161-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS28	E209161-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS29	E209161-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS30	E209161-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS31	E209161-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS32	E209161-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS33	E209161-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS34	E209161-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS35	E209161-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS36	E209161-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS37	E209161-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS38	E209161-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS39	E209161-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS40	E209161-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS21

E209161-01

	1207101-01						
Result	Reporting Limit		ution	Prepared	Analyzed	Notes	
		1		Allaryzeu	Batch: 2240057		
			<u> </u>		00/20/22	Batch: 2240037	
			1				
			1				
ND	0.0250		1				
ND	0.0500		1	09/28/22	09/28/22		
ND	0.0250		1	09/28/22	09/28/22		
	103 %	70-130		09/28/22	09/28/22		
	93.1 %	70-130		09/28/22	09/28/22		
	97.7 %	70-130		09/28/22	09/28/22		
mg/kg	mg/kg	Analyst: IY			Batch: 2240057		
ND	20.0		1	09/28/22	09/28/22		
	103 %	70-130		09/28/22	09/28/22		
	93.1 %	70-130		09/28/22	09/28/22		
	97.7 %	70-130		09/28/22	09/28/22		
mg/kg	mg/kg mg/kg		Analyst: JL			Batch: 2240043	
ND	25.0		1	09/28/22	09/28/22		
ND	50.0		1	09/28/22	09/28/22		
	104 %	50-200		09/28/22	09/28/22		
Anions by EPA 300.0/9056A mg/kg		kg Analyst: KL			Batch: 2240069		
	mg/kg ND mg/kg ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO3 % 93.1 % 97.7 % mg/kg MD 20.0 103 % 93.1 % 97.7 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 104 %	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I03 % 70-130 93.1 % 70-130 mg/kg mg/kg ND 20.0 I03 % 70-130 93.1 % 70-130 97.7 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 104 % 50-200	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 103 % 70-130 93.1 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 103 % 70-130 97.7 % 97.7 % 70-130 97.7 % mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 104 % 50-200	Reporting Result Limit Dilution Prepared mg/kg Malyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 70-130 09/28/22 93.1 % 70-130 09/28/22 97.7 % 70-130 09/28/22 93.1 % 70-130 09/28/22 97.7 % 70-130 09/28/22 97.7 % 70-130 09/28/22 97.7 % 70-130 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22 ND 50.0 1 09/28/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/28/22 ND 0.0500 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 ND 0.0250 1 09/28/22 09/28/22 93.1 % 70-130 09/28/22 09/28/22 93.1 % 70-130 09/28/22 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/28/22 97.7 % 70-130 09/28/22 09/28/22 97.7 % 70-130 09/28/22 09/28/22 mg/kg mg/kg Analyst: JL	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS22

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250		1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/28/22	
Toluene	ND	0.0250		1	09/28/22	09/28/22	
o-Xylene	ND	0.0250		1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		105 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		105 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	•	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/28/22	
Surrogate: n-Nonane		103 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS23

		Reporting						
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2240057	
Benzene	ND	0.0250	1		09/28/22	09/28/22		
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22		
Toluene	ND	0.0250	1		09/28/22	09/28/22		
o-Xylene	ND	0.0250	1		09/28/22	09/28/22		
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22		
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22		
Surrogate: Bromofluorobenzene		102 %	70-130		09/28/22	09/28/22		
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		09/28/22	09/28/22		
Surrogate: Toluene-d8		97.8 %	70-130		09/28/22	09/28/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240057	
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/28/22		
Surrogate: Bromofluorobenzene		102 %	70-130		09/28/22	09/28/22		
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130		09/28/22	09/28/22		
Surrogate: Toluene-d8		97.8 %	70-130		09/28/22	09/28/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2240043	
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	_	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/28/22		
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/28/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	KL		Batch: 2240069	
	ND	20.0	1		09/28/22	09/28/22		



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS24

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		104 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		84.4 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.8 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		104 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		84.4 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.8 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/28/22	09/28/22	
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS25

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	,		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1		09/28/22	09/28/22	
o-Xylene	ND	0.0250	1		09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		88.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		88.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/28/22	
Surrogate: n-Nonane		99.6 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: Kl	L		Batch: 2240069
Allons by ETA 500.0/3030A							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS26

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1	l	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	l	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	l	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	09/28/22	09/28/22	
Surrogate: n-Nonane		109 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS27

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1		09/28/22	09/28/22	
o-Xylene	ND	0.0250	1		09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	·	96.8 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	_
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/28/22	
Surrogate: n-Nonane		100 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS28

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1		09/28/22	09/28/22	
o-Xylene	ND	0.0250	1		09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	ļ.	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	·	99.7 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	09/28/22	09/28/22	
Surrogate: n-Nonane		105 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069
11110119 8 7 12111 0 0 0 10 7 9 0 0 11							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS29

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: Г	Y		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1		09/28/22	09/28/22	
o-Xylene	ND	0.0250	1		09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.8 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.8 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS30

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/29/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/28/22	09/29/22	
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069
						09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS31

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250		1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/28/22	
Toluene	ND	0.0250		1	09/28/22	09/28/22	
o-Xylene	ND	0.0250		1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	·	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		88.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		88.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS32

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250		1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/28/22	
Toluene	ND	0.0250		1	09/28/22	09/28/22	
o-Xylene	ND	0.0250		1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		99.4 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		99.4 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS33

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2240057
Benzene	ND	0.0250		1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/28/22	
Toluene	ND	0.0250		1	09/28/22	09/28/22	
o-Xylene	ND	0.0250		1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		87.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	•	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		108 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2240069
	ND	20.0			09/28/22	09/29/22	<u>"</u>

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS34

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1	l	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1		09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS35

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/28/22	
Toluene	ND	0.0250	1	l	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	l	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	·	100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	09/28/22	09/29/22	
Surrogate: n-Nonane		105 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS36

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		88.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		88.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JI	L		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2240069
1 HI OH S D J E 1 1 1 C 0 0 1 0 / 9 0 C 0 1 1							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS37

_		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.8 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.8 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/28/22	09/29/22	
Surrogate: n-Nonane		104 %	50-200	·	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069
Amons by ETA 500.0/7050A							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS38

E209161-18 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2240057 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 09/28/22 09/29/22 ND 0.0250 Benzene 1 09/28/22 09/29/22 Ethylbenzene ND 0.0250ND 0.0250 09/28/22 09/29/22 Toluene 1 09/28/22 09/29/22 o-Xylene ND 0.025009/28/22 09/29/22 ND 0.0500 1 p,m-Xylene 09/28/22 09/29/22 1 Total Xylenes ND 0.0250 09/29/22 09/28/22 Surrogate: Bromofluorobenzene 99.1 % 70-130 09/29/22 Surrogate: 1,2-Dichloroethane-d4 87.8 % 70-130 09/28/22 Surrogate: Toluene-d8 98.1 % 70-130 09/28/22 09/29/22 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2240057 ND 1 09/28/22 09/29/22 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 99.1 % 09/28/22 09/29/22 70-130 09/28/22 09/29/22 Surrogate: 1,2-Dichloroethane-d4 87.8 % 70-130 Surrogate: Toluene-d8 09/28/22 09/29/22 98.1 % 70-130 mg/kg Analyst: JL Batch: 2240043 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 09/29/22 ND 25.0 1 09/28/22 Diesel Range Organics (C10-C28) ND 50.0 1 09/28/22 09/29/22 Oil Range Organics (C28-C36) 106 % 50-200 09/28/22 09/29/22 Surrogate: n-Nonane

mg/kg

20.0

Analyst: KL

09/28/22

09/29/22

1

mg/kg

ND



Batch: 2240069

Anions by EPA 300.0/9056A

Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS39

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240057
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2240069
	ND	20.0		1	09/28/22	09/29/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

CS40

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	·	101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2240043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240069



QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/29/2022 2:58:16PM

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				9/2	29/2022 2:58:16PM
Analyte Result Limit Level Result Result Limit Level Result Result Result Limit Level Result	Analyst: IY								
Analyte	Result		-		Rec		RPD		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240057-BLK1)							Prepared: 09	9/28/22 Ana	lyzed: 09/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.436		0.500		87.1	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			
LCS (2240057-BS1)							Prepared: 09	9/28/22 Ana	lyzed: 09/29/22
Benzene	2.14	0.0250	2.50		85.8	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.6	70-130			
Toluene	2.12	0.0250	2.50		84.7	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.43	0.0500	5.00		88.6	70-130			
Total Xylenes	6.72	0.0250	7.50		89.6	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
LCS Dup (2240057-BSD1)							Prepared: 09	9/28/22 Ana	lyzed: 09/29/22
Benzene	2.17	0.0250	2.50		86.7	70-130	1.02	23	
Ethylbenzene	2.25		2.50		90.2	70-130	0.690	27	
Toluene	2.11		2.50		84.5	70-130	0.284	24	
o-Xylene	2.32	0.0250	2.50		92.9	70-130	1.32	27	
p,m-Xylene	4.47	0.0500	5.00		89.4	70-130	0.910	27	
Total Xylenes	6.79	0.0250	7.50		90.6	70-130	1.05	27	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			

0.500

70-130

0.484



Surrogate: Toluene-d8

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/29/2022 2:58:16PM

Nonhalogenated	Organics	by EPA 8015E) - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240057-BLK1)						1	Prepared: 0	9/28/22 Analy	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.436		0.500		87.1	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			
LCS (2240057-BS2)						1	Prepared: 0	9/28/22 Analy	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.441		0.500		88.1	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
LCS Dup (2240057-BSD2)]	Prepared: 0	9/28/22 Analy	yzed: 09/29/22

0.500

0.500

0.500

41.8

0.512

0.418

0.500

20.0

70-130

70-130

70 - 130

70-130

83.5

102

83.6

100

0.536



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	·
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 2:58:16PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				Ģ	9/29/2022 2:58:16PM
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Spike Source Limit Level Result		Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240043-BLK1)							Prepared: 0	9/28/22 An	alyzed: 09/28/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2240043-BS1)							Prepared: 0	9/28/22 An	alyzed: 09/28/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2240043-MS1)				Source:	E209161-	07	Prepared: 0	9/28/22 An	alyzed: 09/28/22
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
urrogate: n-Nonane	49.2		50.0		98.3	50-200			
Matrix Spike Dup (2240043-MSD1)				Source:	E209161-	07	Prepared: 0	9/28/22 An	alyzed: 09/28/22
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	2.08	20	
urrogate: n-Nonane	50.2		50.0		100	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:					Reported:		
Plains TX, 79355-0247		Project Manager: Tom Bynum							9/29/2022 2:58:16PM
		Anions	by EPA	300.0/9056A					Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240069-BLK1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240069-BS1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/28/22
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240069-BSD1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/28/22
Chloride	262	20.0	250		105	90-110	0.0584	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
l	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 14:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

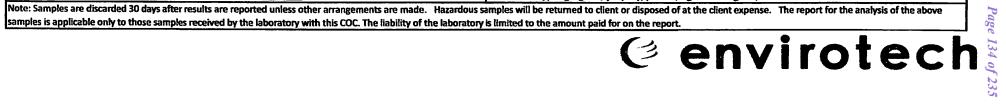


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nt: Pima Environmental Services iect: Office Draw Unit 231 iect Manager: Tom Bynum Iress: 5614 N. Lovington Hwy,	Attention: Devow Energy Address: City, State, Zip							Job Number 1D 2D 3D Analysis and Method					Standard	EPA P	SDWA RCRA
State, Zip Hobbs, NM, 88240 ne: 580-748-1613 il: tom@pimaoil.com ort due by:	Phone: Email: Pima Project # 132		30 by 8015	GRO/DRO by 8015	y 8021	8260	6010	Chloride 300.0		N.	ዾ		NM CO	State UT AZ	
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quished by: (Signature) Date Offir	Received by: (Signature)	Date		Time		A	N/G	Temp	، ر د	1					
le Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Othe : Samples are discarded 30 days after results are report : les is applicable only to those samples received by the	ed unless other arrangements are made. Hazardous	Container samples will	be ret	urned	to clie	p - poly	y/pla	stic, a	g - amt				ort for the ana	lysis of the	above

L	of 10) eived
		by (
Pr	ogram	OC.
_	SDWA	D:
_	RCRA	12/2
		2/21/202
Z	тх	922
		7:5
ks		:50:34
		A

Client: F	Client: Pima Environmental Services Project: Office Oran Unit 237 Attention: Deven French U										b Us	e Onl	Lab Use Only						EPA P	ogram
Project:/	ofton	man /	buit 2	37_		Attention: Devon Frenzy		Lab	WO#	100		Job N	ymi	作にへ	1D	2D	3D	Standard	CWA	SDWA
	/lanager:			·	5.	Address:		LE_) (MO#	1110	110	ONC?	K	d	収			W		
	<u>5614 N.</u>				16	City, State, Zip			$\stackrel{\smile}{-}$			Analys	is an	d Meth	od 💮					RCRA
	e, Zip Ho		<u> 1. 88240</u>)	100 mg	Phone:														
	<u>580-748-</u>				WE 5	Email:		8015	8015						ł	ļ			State	
Email: tom@pimaoil.com Report due by: Pima Project # \37										8021	8	e	300.0		Σ	۱.,	1 1		UT AZ	TX
					1994	1 ma 1 19joot # 15 Z	Total Part	욽	8	χ 8	y 82	8	B			¥	1 1	}		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by	GRO/DRO	BTEX by	VOC by 8260	Metals 6010	Chloride		96000	98000			Remarks	
10:30	9/26/22	<u>S'</u>		CS3	1		11								*					
<i>10:3</i> 5				CS3	2		12													
10:40				CS 3	53		13													
10:45				CS 3	74		14								\mathbb{I}					
10:50				CS 3	5		15													
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	al Instruc		BI	illing		2100405	2			•			•		•	•		· · · · · · · · · · · · · · · · · · ·	-	
date or time	of collection	is considered		ticity of this sam may be grounds		aware that tampering with or intentionally mislabell action. Sampled by: YOH Heh.	ing the sample	locati	on,									ceived on ice the day o ^o C on subsequent d		ed or received
Relinquished by: (Signature) Date 177/22 Received by: (Signature) Date 177/22 Received by: (Signature)									Time.	3'.	4	Reco	ived	on ice:	8	ab U	se On I	ły		
Refreguished by (Signature)									Time	α)	n			12	<u>ر</u>		13		
Relinquished by: (Signature) Date Time Received by: (Signature) Date												AVG	Tem	n °C						
Sample Mat	rix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	lqueous, 0 - Oti	her		Containe	г Туре	: g - g	lass.					per gla	SS, V	- VOA			
						ess other arrangements are made. Hazardous												eport for the an	lysis of the	above



Page 32 of 33

Printed: 9/28/2022 11:55:30AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/28/22 10: 09/27/22 16:		Work Order ID:	E209161 Alexa Michaels
Phone: Email:	(575) 631-6977 tom@pimaoil.com	Date Logged In: Due Date:		:00 (1 day TAT)	Logged In By:	Alexa Michaels
Eman.	toni@piniaon.com	Duc Date.	07/27/22 17.	.oo (1 day 1741)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_		
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Commen	ts/Resolution
Sample T	urn Around Time (TAT)	л.		I		
	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cotton Draw 23	7 has been split
Sample C	<u>Cooler</u>				into multiple workorde	rs/reports due to
7. Was a s	ample cooler received?		Yes		smaple volume. WO# a	re as follows:
8. If yes,	was cooler received in good condition?		Yes		E209160/ E209161/ E2	
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			09102/ E209103/
10. Were	custody/security seals present?		No		E209164	
	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u>c</u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers')	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab		icis concetcu.	103			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
D	ate/Time Collected?		Yes	ı		
C	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved m	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborator	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	ubcontract Lab	: NA	
Client In	<u>istruction</u>					
L						

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 237

Work Order: E209162

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/29/22

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

Date Reported: 9/29/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw 237

Workorder: E209162

Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Cotton Draw 237.

The analytical test results summarized in this report with the Project Name: Cotton Draw 237 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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rainaschwanz@envirotech-inc.com

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 15:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS41	E209162-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS42	E209162-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS43	E209162-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS44	E209162-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS45	E209162-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS46	E209162-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS47	E209162-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS48	E209162-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS49	E209162-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS50	E209162-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS51	E209162-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS52	E209162-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS53	E209162-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS54	E209162-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS55	E209162-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS56	E209162-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS57	E209162-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS58	E209162-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS59	E209162-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS60	E209162-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS41

E209162-01

	E209102-01					
Result	Reporting Limit		ution	Prepared	Analyzed	Notes
mø/kø	mø/kø		Analyst:			Batch: 2240058
			1		09/29/22	Butch: 22 10000
			1			
			1			
			1			
			1	09/28/22	09/29/22	
ND	0.0250		1	09/28/22	09/29/22	
	95.6 %	70-130		09/28/22	09/29/22	
	95.2 %	70-130		09/28/22	09/29/22	
	104 %	70-130		09/28/22	09/29/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
ND	20.0		1	09/28/22	09/29/22	
	95.6 %	70-130		09/28/22	09/29/22	
	95.2 %	70-130		09/28/22	09/29/22	
	95.2 % 104 %	70-130 70-130		09/28/22 09/28/22	09/29/22 09/29/22	
mg/kg			Analyst:	09/28/22		Batch: 2240044
mg/kg ND	104 %		Analyst:	09/28/22		Batch: 2240044
	104 % mg/kg			09/28/22 JL	09/29/22	Batch: 2240044
ND	104 % mg/kg 25.0			09/28/22 JL 09/28/22	09/29/22	Batch: 2240044
ND	104 % mg/kg 25.0 50.0	70-130		09/28/22 JL 09/28/22 09/28/22 09/28/22	09/29/22 09/28/22 09/28/22	Batch: 2240044 Batch: 2240070
· .	mg/kg ND ND ND ND ND ND ND MD ND ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 95.6 % 95.2 % 104 % mg/kg ND 20.0	Reporting Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 95.6 % 70-130 95.2 % 70-130 104 % 70-130 mg/kg mg/kg ND 20.0	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 95.6 % 70-130 95.2 % 70-130 104 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 95.6 % 70-130 09/28/22 95.2 % 70-130 09/28/22 104 % 70-130 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 95.6 % 70-130 09/28/22 09/29/22 95.2 % 70-130 09/28/22 09/29/22 104 % 70-130 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS42

E20		

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1	Į.	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	Į.	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	Į.	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	09/28/22	09/28/22	
Surrogate: n-Nonane		110 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	RAS		Batch: 2240070
inions by Elite Colloy 200011							



ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
	PO Box 247	Project Number:	01058-0007	Reported:
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS43

E209162-03

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250	1	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	·	95.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		95.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/28/22	09/28/22	
Surrogate: n-Nonane		113 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS44

E209162-04

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2240058
Benzene	ND	0.0250	1	l	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	[09/28/22	09/29/22	
Toluene	ND	0.0250	1	l	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	l	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	<u> </u>	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analyst: JL			Batch: 2240044	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	[09/28/22	09/28/22	
Surrogate: n-Nonane		113 %	50-200	·	09/28/22	09/28/22	
Anions by EPA 300.0/9056A		mg/kg	Analyst: RAS				Batch: 2240070



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS45

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		105 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		105 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/28/22	
Surrogate: n-Nonane		111 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS46

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/28/22	
Surrogate: n-Nonane		114 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS47

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/28/22	
Surrogate: n-Nonane		113 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2240070
	ND	20.0		1	09/28/22	09/28/22	

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

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		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		112 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/28/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

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		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250	1	l	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	[09/28/22	09/29/22	
Toluene	ND	0.0250	1	l	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	l	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	<u> </u>	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	·	97.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	[09/28/22	09/29/22	
Surrogate: n-Nonane		106 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

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		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		114 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/29/22	· ·

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
	PO Box 247	Project Number:	01058-0007	Reported:
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	Y		Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	Y		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JI			Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		104 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2240070
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Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS52

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/29/22	



ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
	PO Box 247	Project Number:	01058-0007	Reported:
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS53

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	IY		Batch: 2240058
Benzene	ND	0.0250	1	l	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	l	09/28/22	09/29/22	
Toluene	ND	0.0250	1	l	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	l	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	<u> </u>	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		95.8 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		95.8 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	09/28/22	09/29/22	
Surrogate: n-Nonane		113 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2240070

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS54

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2240058
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.8 %	70-130	09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09/28/22	09/29/22	
Surrogate: Toluene-d8		96.9 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.8 %	70-130	09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09/28/22	09/29/22	
Surrogate: Toluene-d8		96.9 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		108 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2240070
Allions by ETA 500.0/3030A						



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS55

		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.3 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	_
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		112 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS56

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		116 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	\S		Batch: 2240070
THIONS BY EITHCOOLOGOGO							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS57

		220,102 17					
Austra	D14	Reporting			D 1	A l d	Nixe
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		86.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		86.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		116 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2240070
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS58

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: 1	IY		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/28/22	09/29/22	
Surrogate: n-Nonane		116 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	RAS		Batch: 2240070



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS59

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: Г	Y		Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		117 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: F	RAS		Batch: 2240070



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

CS60

091	

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: Γ	Y		Batch: 2240058
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	·	99.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2240058
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: Jl	L		Batch: 2240044
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		120 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2240070



Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/29/20223:29:15PM

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				9/	29/2022 3:29:15PN
Volatile Organic Compounds by EPA 8260B Analyst: IY									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 (2240058-BLK1)							Prepared: 0	9/28/22 Ana	llyzed: 09/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS (2240058-BS1)							Prepared: 0	9/28/22 Ana	lyzed: 09/29/22
Benzene	2.19	0.0250	2.50		87.6	70-130			
Ethylbenzene	2.20	0.0250	2.50		87.8	70-130			
Toluene	2.19	0.0250	2.50		87.5	70-130			
o-Xylene	2.05	0.0250	2.50		82.0	70-130			
p,m-Xylene	4.08	0.0500	5.00		81.5	70-130			
Total Xylenes	6.13	0.0250	7.50		81.7	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS Dup (2240058-BSD1)							Prepared: 0	9/28/22 Ana	alyzed: 09/29/22
Benzene	1.98	0.0250	2.50		79.2	70-130	10.0	23	
Ethylbenzene	2.02	0.0250	2.50		81.0	70-130	8.10	27	
Toluene	2.00	0.0250	2.50		80.0	70-130	8.96	24	
o-Xylene	1.90	0.0250	2.50		75.8	70-130	7.83	27	
p,m-Xylene	3.77	0.0500	5.00		75.4	70-130	7.81	27	
Total Xylenes	5.67	0.0250	7.50		75.6	70-130	7.82	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			

0.500

0.534

70-130

107



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/29/2022 3:29:15PM

Nonhalogenate	d Organics	by EPA	8015D -	GRO

Anal	

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

Blank (2240058-BLK1)					I	Prepared: 0	9/28/22 Analy	zed: 09/29/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.483		0.500	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500	91.4	70-130			
Surrogate: Toluene-d8	0.526		0.500	105	70-130			
LCS (2240058-BS2)					I	Prepared: 0	9/28/22 Analy	zed: 09/29/22
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	101	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500	98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500	96.3	70-130			
Surrogate: Toluene-d8	0.547		0.500	109	70-130			
LCS Dup (2240058-BSD2)					I	Prepared: 0	9/28/22 Analy	zed: 09/29/22
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	105	70-130	3.55	20	
Surrogate: Bromofluorobenzene	0.493		0.500	98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500	93.3	70-130			
Surrogate: Toluene-d8	0.537		0.500	107	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 3:29:15PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				!	9/29/2022 3:29:15PN
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240044-BLK1)							Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.8		50.0		110	50-200			
CS (2240044-BS1)							Prepared: 0	9/28/22 Ar	alyzed: 09/28/22
riesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
urrogate: n-Nonane	58.0		50.0		116	50-200			
Aatrix Spike (2240044-MS1)				Source:	E209162-	11	Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
riesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132			
urrogate: n-Nonane	56.9		50.0		114	50-200			
Matrix Spike Dup (2240044-MSD1)				Source:	E209162-	11	Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
riesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132	2.86	20	
urrogate: n-Nonane	54.2		50.0		108	50-200			



Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Cotton Draw 237 01058-0007	1				Reported:
Plains TX, 79355-0247		Project Manager:	,	Tom Bynum					9/29/2022 3:29:15PM
		Analyst: RAS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240070-BLK1)							Prepared: 09	9/28/22 Aı	nalyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240070-BS1)							Prepared: 09	9/28/22 Aı	nalyzed: 09/28/22
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240070-BSD1)							Prepared: 09	9/28/22 Aı	nalyzed: 09/28/22
Chloride	261	20.0	250		105	90-110	0.430	20	

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 15:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Ir	formatio	n		Chair	n of Custody	,											Page <u>5</u>	of <u> </u>	Received by
Client: P Project: Project M Address:	<u> 1anager:</u> 5614 N.	Tom By Lovingt	num on Hwy.	Address: City, State, Zip		Lab EG	WO#			NC op t	學	Metho		2D	TA 3D	Standard	EPA P CWA	SDWA RCRA	Received by OCD: 12/21/2022 7:50:34 AM
Report d	580-748- com@pin ue by:	1613	m	Phone: Email: Pima Project # \32		DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	- - - - - - -	N. N.	<u>ب</u>		NM CO	State UT AZ	TX	1/2022 7:50
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/(GRO/I	втех	VOC	Metal	Chlori		X 8600C	BGDOC			Remarks):34 AM
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11:30 11:35				CS 44 CS 44	3														
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//:50 //:55				CS 46 CS 47									\parallel						Page 31
11:55 12:00				CS 48 CS 49	8								$\frac{\prod}{\prod}$						
/2:05 Addition	al Instruc	tions:	0:	CS 50	10														
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to or disposed of at the client expense. The report for the analysis of the above or on the report.

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Client: Pima Environmental Services

Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.

Lab Use Only

Attention: Devon Frency

EPA Program

SDWA

CWA

TAT

1D 2D

3D Standard

Address: 5614 N. Lovington Hwy. City, State, Zip						-0		₩₩		Analy	sis ar	d Meth	od od			119	\$ 100 N		R	CRA			
	e, Zip Ho		A. 88240	# 10	Phone:								T									\top	
	80-748-				Email:				5	8015		.	1	.			1				State		
	om@pin	aoil.con	<u>n</u>		Pima Projec	44 12)		× 80	8	♬	ا ۾		300.0		₹		1	NM	co	UT /	AZ TX	L
Report du					Pillia Piojec	t# 132	/ 		8	g	8	826	95		ı		ř		×				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals	Chloride	ł	BGDOC	86000				Remai	rks	
12:10	9/24/22	ζ	1	0951												У							
12:15	1		1	ng 52				12															
12:20				CS 53				13														-	
12:25				CS 54				14															
12:30				CS 55				15															
12:35				CS 56				10															
12:40				CS 57				17															
12:45				CS 58				18															
12:50				CS 59				19															
12:55				CS 60				20															
Additiona	l Instruct	ions: eta	Hina	# 210	04052																		
l, (field sampl	ler), attest to	the validity	and authent	icity of this sample. I am	aware that tampering	with or intentio			location	on,								est be receive				mpled or r	ecelve
	d by: (Signa) Date	27/22 Time 2:30		v: (Signature)	1-	pate)	7)	Time		20	2	ived	on ice:	1	Ab U	se Only I					
	eyby: (Sigha	tucel		772 Time	113 68	y: (Signature)	W X	Obx	Z	Time	\mathcal{C}) () 11			了 12			13	10 5 20 4 20 5			
Relinquiste	d by: (Signa	ture)	Date	Time	Beceived by	y: (Signature)	(Date		Time			AVG	Ten	p °C	Ų.							
Sample Matri	ix: S - Scil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other			····	Container	Туре	: g - s	glass,					ber gl	ess, v	- VOA	<u> Normalis in P</u>	20.4 YZ		1 100 100	
Note: Samp samples is a	les are disca applicable or	rded 30 da nly to those	ays after re samples r	sults are reported unle eceived by the laborat	ess other arrangeme tory with this COC. T	ents are made. The liability of t	. Hazardous : the laboratory	amples will	be ret	urned	to cli	ent or	dispo	sed o	at the c				ort for th	e anah	ysis of	the abov	e



Printed: 9/28/2022 12:13:02PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/28/22 10:0		Work Order ID:	E209162
Phone: Email:	(575) 631-6977	Date Logged In: Due Date:	09/27/22 16:2		Logged In By:	Alexa Michaels
Eman:	tom@pimaoil.com	Due Date:	09/29/22 17:0	00 (1 day TAT)		
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes		<u>Comment</u>	s/Resolution
	urn Around Time (TAT)				Duciact Cotton Ducin 22	7 has been split
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cotton Draw 23	-
Sample C					into multiple workorder	s/reports due to
	ample cooler received?		Yes		smaple volume. WO# a	re as follows:
8. If yes, v	was cooler received in good condition?		Yes		E209160/ E209161/ E2	09162/ E209163/
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		E209164	
10. Were	custody/security seals present?		No		L207104	
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C			<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers')	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab		iors conceicu.	105			
	field sample labels filled out with the minimum info	rmation				
	ample ID?	Tillation.	Yes			
	ate/Time Collected?		Yes	l		
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No			
	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
26. Does t	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontra	act Laboratory					
	imples required to get sent to a subcontract laborator	rv?	No			
	subcontract laboratory specified by the client and if	-		ubcontract Lab	· NA	
	• • •			30001111101 240		
Chent In	struction					

Date

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 237

Work Order: E209163

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/22

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

Date Reported: 9/30/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw 237

Workorder: E209163

Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Cotton Draw 237.

The analytical test results summarized in this report with the Project Name: Cotton Draw 237 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/30/22 16:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS61	E209163-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS62	E209163-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS63	E209163-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS64	E209163-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS65	E209163-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS66	E209163-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS67	E209163-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS68	E209163-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS69	E209163-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS70	E209163-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS71	E209163-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS72	E209163-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS73	E209163-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS74	E209163-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS75	E209163-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS76	E209163-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS77	E209163-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS78	E209163-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS79	E209163-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CS80	E209163-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS61

	E207103-01					
Result	Reporting Limit		lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
			1	09/28/22	09/29/22	
			1	09/28/22	09/29/22	
ND	0.0250		1	09/28/22	09/29/22	
ND	0.0250		1	09/28/22	09/29/22	
ND	0.0500		1	09/28/22	09/29/22	
ND	0.0250		1	09/28/22	09/29/22	
	97.2 %	70-130		09/28/22	09/29/22	
	97.3 %	70-130		09/28/22	09/29/22	
	97.8 %	70-130		09/28/22	09/29/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
ND	20.0		1	09/28/22	09/29/22	
	97.2 %	70-130		09/28/22	09/29/22	
	97.3 %	70-130		09/28/22	09/29/22	
	97.8 %	70-130		09/28/22	09/29/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
			1	09/28/22	09/28/22	
ND	25.0		1	09/28/22	09/26/22	
ND ND	25.0 50.0		1	09/28/22	09/28/22	
		50-200	1			
	50.0	50-200	1 Analyst:	09/28/22	09/28/22	Batch: 2240071
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 97.2 % 97.3 % 97.8 % mg/kg ND 20.0 97.2 % 97.3 % 97.3 % 97.8 % mg/kg mg/kg	Reporting Result Limit Di mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.2 % 70-130 97.3 % 70-130 97.8 % 70-130 mg/kg mg/kg ND 20.0 97.2 % 70-130 97.3 % 70-130 97.8 % 70-130 mg/kg mg/kg	Result Reporting Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.2 % 70-130 97.3 % 70-130 97.8 % 70-130 mg/kg mg/kg Analyst: 97.3 % 70-130 97.3 % 70-130 97.3 % 70-130 97.8 % 70-130 mg/kg mg/kg Analyst:	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 97.2 % 70-130 09/28/22 97.3 % 70-130 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 97.2 % 70-130 09/28/22 97.3 % 70-130 09/28/22 97.3 % 70-130 09/28/22 97.8 % 70-130 09/28/22 97.8 % 70-130 09/28/22 mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 97.2 % 70-130 09/28/22 09/29/22 97.3 % 70-130 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 97.3 % 70-130 09/28/22 09/29/22 97.3 % 70-130 09/28/22 09/29/22 97.8 % 70-130 09/28/22 09/29/22 97.8 % 70-130 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS62

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/28/22	
Surrogate: n-Nonane		108 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS63

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		100 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		100 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/28/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS64

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250	1	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/28/22	09/28/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/28/22	09/28/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS65

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/28/22	
Surrogate: n-Nonane		107 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2240071
11110119 8 9 12111 0 0 0 10 7 9 0 0 0 1 1							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS66

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	ļ	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst: IY			Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/28/22	09/28/22	
Surrogate: n-Nonane		101 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	Œ		Batch: 2240071
THIONS BY EITHCOOLOGOGO							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS67

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/29/22	
Surrogate: n-Nonane		102 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS68

		1207100 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•	,	Batch: 2240059
Benzene	ND	0.0250		1	09/28/22	09/29/22	Batch: 22 10037
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/29/22	
Surrogate: n-Nonane		104 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS69

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	IY		Batch: 2240059
Benzene	ND	0.0250	1	l	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	l	09/28/22	09/29/22	
Toluene	ND	0.0250	1	l	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.0 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.0 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/28/22	09/30/22	
Surrogate: n-Nonane		113 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	KL		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS70

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	•	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/30/22	
Surrogate: n-Nonane		111 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

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		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250		1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250		1	09/28/22	09/29/22	
Toluene	ND	0.0250		1	09/28/22	09/29/22	
o-Xylene	ND	0.0250		1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500		1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0		1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/28/22	09/30/22	
Surrogate: n-Nonane		110 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071
Chloride	ND	20.0		1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	?		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL	_		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		111 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS73

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.0 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.0 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI	L		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		112 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS74

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: Л	L		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		110 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	(L		Batch: 2240071
Amons by ETA 300.0/7030A							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS75

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	IY		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		109 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	KL		Batch: 2240071
Allous by EFA 500.0/9050A							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS76

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		99.3 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		105 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2240071
11110119 8 9 12111 0 0 0 10 7 9 0 0 0 1 1							



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS77

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1		09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/28/22	09/30/22	
Surrogate: n-Nonane		112 %	50-200		09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS78

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	ΙΥ		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1		09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: l	ΙΥ		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	πL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/27/22	09/30/22	
Surrogate: n-Nonane		107 %	50-200		09/27/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	KL		Batch: 2240071



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS79

		Reporting					
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2240059
Benzene	ND	0.0250	1	. (09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	. (09/28/22	09/29/22	
Toluene	ND	0.0250	1	. (09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	. (09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	. (09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	. (09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	(09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	(09/28/22	09/29/22	
Surrogate: Toluene-d8		98.7 %	70-130	(09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1	. (09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	(09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	(09/28/22	09/29/22	
Surrogate: Toluene-d8		98.7 %	70-130	(09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1	. (09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	. (09/27/22	09/30/22	
Surrogate: n-Nonane		111 %	50-200	(09/27/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2240071
Amons by EPA 500.0/9050A							

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:17:45PM

CS80

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2240059
Benzene	ND	0.0250	1		09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1		09/28/22	09/29/22	
Toluene	ND	0.0250	1	l	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1		09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	l	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2240059
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/28/22	09/29/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2240045
Diesel Range Organics (C10-C28)	ND	25.0	1		09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	09/27/22	09/30/22	
Surrogate: n-Nonane		110 %	50-200		09/27/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2240071



Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/30/2022 4:17:45PM

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				9	0/30/2022 4:17:45PN
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240059-BLK1)							Prepared: 0	9/28/22 An	alyzed: 09/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			
LCS (2240059-BS1)							Prepared: 0	9/28/22 An	alyzed: 09/30/22
Benzene	2.24	0.0250	2.50		89.7	70-130			
Ethylbenzene	2.19	0.0250	2.50		87.6	70-130			
Toluene	2.19	0.0250	2.50		87.7	70-130			
o-Xylene	2.21	0.0250	2.50		88.2	70-130			
p,m-Xylene	4.39	0.0500	5.00		87.9	70-130			
Total Xylenes	6.60	0.0250	7.50		88.0	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			
LCS Dup (2240059-BSD1)							Prepared: 0	9/28/22 An	alyzed: 09/29/22
Benzene	2.07	0.0250	2.50		82.8	70-130	8.00	23	
Ethylbenzene	1.97	0.0250	2.50		78.8	70-130	10.6	27	
Toluene	1.98	0.0250	2.50		79.4	70-130	10.0	24	
o-Xylene	2.01	0.0250	2.50		80.4	70-130	9.30	27	
p,m-Xylene	3.95	0.0500	5.00		79.0	70-130	10.7	27	
Total Xylenes	5.96	0.0250	7.50		79.4	70-130	10.2	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			
mirogano. Iomene no	0.702		~ ~ ~						



Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/30/2022 4:17:45PM

Nauhalaganatad	Ouganias	L. EDA	0015D	CDO
Nonhalogenated	Organics	DV EPA	8015D -	GRO

Analy	ret.	Г

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

Blank (2240059-BLK1)						Prepared: 09	/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.489		0.500	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500	101	70-130			
Surrogate: Toluene-d8	0.497		0.500	99.4	70-130			
LCS (2240059-BS2)						Prepared: 09	/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	36.8	20.0	50.0	73.6	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500	102	70-130			
Surrogate: Toluene-d8	0.490		0.500	98.0	70-130			
LCS Dup (2240059-BSD2)						Prepared: 09	/28/22 Anal	yzed: 09/29/22
Gasoline Range Organics (C6-C10)	38.2	20.0	50.0	76.4	70-130	3.75	20	
Surrogate: Bromofluorobenzene	0.508		0.500	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500	102	70-130			
Surrogate: Toluene-d8	0.490		0.500	98.0	70-130			



Pima Environmental Services-CarlsbadProject Name:Cotton Draw 237Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum9/30/2022 4:17:45PM

	Project Manage	r: To	m Bynum				!	9/30/2022 4:17:45PI
Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
ND	25.0							
ND	50.0							
59.6		50.0		119	50-200			
						Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
250	25.0	250		100	38-132			
53.8		50.0		108	50-200			
			Source:	E209163-	16	Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
263	25.0	250	ND	105	38-132			
52.7		50.0		105	50-200			
			Source:	E209163-	16	Prepared: 0	9/28/22 Ar	nalyzed: 09/28/22
261	25.0	250	ND	104	38-132	0.848	20	
52.3		50.0		105	50-200			
	Result mg/kg ND ND 59.6 250 53.8 263 52.7	Nonhalogenated Or Reporting Limit mg/kg Limit mg/kg ND 25.0 ND 50.0 59.6	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 8015 Result	Nonhalogenated Organics by EPA 8015D - DRO Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	(Cotton Draw 23' 01058-0007 Fom Bynum	7			,	Reported: 9/30/2022 4:17:45PM
		Anions	by EPA	300.0/9056A	<u> </u>				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 (2240071-BLK1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240071-BS1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/29/22
Chloride	266	20.0	250		107	90-110			
LCS Dup (2240071-BSD1)							Prepared: 09	9/28/22 Ar	alyzed: 09/29/22
Chloride	268	20.0	250		107	90-110	0.715	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/30/22 16:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project	Information

Chain of Custod

Page	7	of	10	
rage		UI.	<u> </u>	_

Received by OCD: 12/21/2022 7:50:34 AM

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	Cotton () Manager:				¥	Attention: Devon Energy		Lab	WO	ξ.,			Numb				3D	St	andard	CWA	SDWA
	5614 N.					Address: City, State, Zip		عط		411				d Me	SIX	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	L	<u>\$</u>		DCDA
	e, Zip Ho				#443V #15140 (4154X)	Phone:		—	Г	Ţ		Anaiy	sis an	o we	noa	1	T	т			RCRA
Phone: §	<u> 580-748-</u>	1613			7 2 (2)	Email:		1 23	12					1	-				15	State	
	tom@pin	naoil.cor	<u>n</u>			Pima Project # \27		3, 8015	y 8015	□□	8	0	300.0	1	Σ		1		NM CO	UT AZ	TX
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Sampled	Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO	GRO/DRO by	втех ьу	VOC by 8260	Metals 6010	Chloride	i	9000	BGDOC		l		Remarks	İ
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date or time	of collection	is considered	fraud and n	City of this sampl nay be grounds fo			nislabelling the sampl Hergun	e locati	cn,				-	_	•				on ice the day the subsequent day		ed or received
If Fan		hoden	Date 9/.	27/22 2	9:3L	Received by: (Signature)	Patte	7	Time	32	L.	3	ived	on ic	e: (Hab (V) 1	lse Or V	ily			
	by: Kigna	<u>// `</u>		CI (V)	+4	Received by: (Signature)	1928	22	Time (X	Š	11	y ar ys	07.7 1.3	_ 12				E		
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				queous, O - Othe			Containe				p - po	oly/pl	astic,	ag - a							
						ess other arrangements are made. Haza									client ex	pense	. The	repor	t for the anal	ysis of the	above

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

Page 199 of 235

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····	marks	ЭЯ	-			BGDOC	BGDOC			Chloride 300.0	Metals 6010	VOC by 8260	BTEX by 8021	GRO/DRO by 8015	DRO/ORO by 8015	Lab Number			Ol alqme2	to. of treiners		xinsM	9150 b9lqms2	smiT bslqme2
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Mote: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

Container Type: 8 - glass, p - poly/plastic, ag - amber glass, v - VOA

O' qm9T DVA

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

@ envirotech

Vino seu del

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ecked in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Received by OCD: 12/21/2022

Sample Matrix: 5 - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other

Relinquisked by: (Signature)

7:50:34 AM

envirotech Inc.

Printed: 9/28/2022 12:14:29PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/28/22 10	0:00	Work Or	der ID:	E209163
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16	6:31	Logged	In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 13	7:00 (1 day TAT)		•	
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic	•	Yes		<u>C</u>	<u>omment</u>	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cotton Dr		
Sample C	<u>Cooler</u>				into multiple wor	korder	s/reports due to
7. Was a s	sample cooler received?		Yes		smaple volume. V	VO# a	re as follows:
8. If yes, v	was cooler received in good condition?		Yes		E209160/ E20916	61/ E20	09162/ E209163/
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		E209164		
10. Were	custody/security seals present?		No		L20710 T		
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	Container	_					
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers?	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes				
	reservation		No				
	the COC or field labels indicate the samples were pr	eserved?	No				
	imple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphase	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
			1411				
	act Laboratory Imples required to get sent to a subcontract laborator	mr?	No				
	subcontract laboratory specified by the client and if	-		Subcontract Lab	. NA		
	• • •	30 WIIO:	1421	Subcontract Lab	, IVA		
Client In	<u>struction</u>						

Date

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

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 237

Work Order: E209164

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/22

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

Date Reported: 9/30/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cotton Draw 237

Workorder: E209164

Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Cotton Draw 237.

The analytical test results summarized in this report with the Project Name: Cotton Draw 237 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

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/30/22 16:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E209164-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW2	E209164-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW3	E209164-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW4	E209164-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW5	E209164-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW6	E209164-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW7	E209164-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW8	E209164-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW9	E209164-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW10	E209164-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW11	E209164-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW12	E209164-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW13	E209164-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW14	E209164-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW15	E209164-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW16	E209164-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW17	E209164-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW18	E209164-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW19	E209164-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
CSW20	E209164-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW1

		E207104-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		117 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW2

	D				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	99.0 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	20.0	1	09/28/22	09/29/22	
	85.4 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2240047
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	115 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 85.4 % mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 250 1 Mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		115 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2240072
Chloride	ND	20.0		09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW4

	ъ .:				
					
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	103 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	20.0	1	09/28/22	09/29/22	
	86.6 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2240047
ND	25.0	1	09/28/22	09/29/22	_
ND	50.0	1	09/28/22	09/29/22	
	118 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
	ND ND ND 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 86.6 % mg/kg MD 25.0 ND 50.0 118 %	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 20.0250 1 ND 20.0 1 86.6 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 118 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IV ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		114 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	_

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		102 %	50-200	09/28/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	_

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW7

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		109 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW8

		D '				
Analyta	Dagult	Reporting Limit	Dilution	Duomanad	A malvera d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		109 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
thions by Elite Could's Could						



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW9

	ъ .:				
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Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	101 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg Analyst: IY			Batch: 2240060	
ND	20.0	1	09/28/22	09/29/22	
	83.8 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	mg/kg Analyst: JL		Batch: 2240047	
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	111 %	50-200	09/28/22	09/29/22	
7		Anal	yst: KL		Batch: 2240072
mg/kg	mg/kg	Allai	yst. KL		Batcii. 22400/2
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 83.8 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 70-130 1 mg/kg mg/kg Anal ND 20.0 1 83.8 % 70-130 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 111 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW10

		E209164-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2240060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		113 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW11

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	-



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW12

	D				
		5.11			
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	100 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	st: IY		Batch: 2240060
ND	20.0	1	09/28/22	09/29/22	
	87.3 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2240047
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	112 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	st: KL		Batch: 2240072
	ND ND ND 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 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 MD 0.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 87.3 % mg/kg ND 25.0 ND 50.0 112 %	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 70-130 1 mg/kg mg/kg Analy ND 20.0 1 87.3 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW13

	D .:				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	101 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	/st: IY		Batch: 2240060
ND	20.0	1	09/28/22	09/29/22	
	86.8 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Analy	/st: JL		Batch: 2240047
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	111 %	50-200	09/28/22	09/29/22	
	п	Anals	/st: KL		Batch: 2240072
mg/kg	mg/kg	Allary	/St. KL		Batch: 2240072
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 ND 20.0250 86.8 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 2500 1 86.8 % 70-130 70-130 mg/kg mg/kg Analy MD 25.0 1 ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW14

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		106 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	-



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	•



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Analyst: IY			Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW17

Reporting Limit	D'L c			
Limit	D'1 (
	Dilution	Prepared	Analyzed	Notes
mg/kg	Analyst	: IY		Batch: 2240060
0.0250	1	09/28/22	09/29/22	
0.0250	1	09/28/22	09/29/22	
0.0250	1	09/28/22	09/29/22	
0.0250	1	09/28/22	09/29/22	
0.0500	1	09/28/22	09/29/22	
0.0250	1	09/28/22	09/29/22	
101 %	70-130	09/28/22	09/29/22	
mg/kg	Analyst: IY			Batch: 2240060
20.0	1	09/28/22	09/29/22	
87.3 %	70-130	09/28/22	09/29/22	
mg/kg	Analyst	: JL		Batch: 2240047
25.0	1	09/28/22	09/29/22	
50.0	1	09/28/22	09/29/22	
112 %	50-200	09/28/22	09/29/22	
112 % mg/kg	50-200 Analyst		09/29/22	Batch: 2240072
	0.0250 0.0250 0.0250 0.0250 0.0250 0.0500 0.0250 101 % mg/kg 20.0 87.3 % mg/kg 25.0	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1 101% 70-130 mg/kg Analyst 20.0 1 87.3 % 70-130 mg/kg Analyst 25.0 1	0.0250 1 09/28/22 0.0250 1 09/28/22 0.0250 1 09/28/22 0.0250 1 09/28/22 0.0500 1 09/28/22 0.0500 1 09/28/22 0.0250 1 09/28/22 0.0250 1 09/28/22 101 % 70-130 09/28/22 mg/kg Analyst: IY 20.0 1 09/28/22 87.3 % 70-130 09/28/22 mg/kg Analyst: JL 25.0 1 09/28/22	0.0250 1 09/28/22 09/29/22 0.0250 1 09/28/22 09/29/22 0.0250 1 09/28/22 09/29/22 0.0250 1 09/28/22 09/29/22 0.0500 1 09/28/22 09/29/22 0.0500 1 09/28/22 09/29/22 0.0250 1 09/28/22 09/29/22 101 % 70-130 09/28/22 09/29/22 mg/kg Analyst: IY 20.0 1 09/28/22 09/29/22 87.3 % 70-130 09/28/22 09/29/22 mg/kg Analyst: JL 25.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW18

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	•



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW19

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2240060
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2240060
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2240047
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	-



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

CSW20

	ъ .:				
		5 11			**
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2240060
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
ND	0.0500	1	09/28/22	09/29/22	
ND	0.0250	1	09/28/22	09/29/22	
	100 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2240060
ND	20.0	1	09/28/22	09/29/22	
	88.3 %	70-130	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2240047
ND	25.0	1	09/28/22	09/29/22	
ND	50.0	1	09/28/22	09/29/22	
	112 %	50-200	09/28/22	09/29/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2240072
	ND ND 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 88.3 % mg/kg mg/kg ND 25.0 ND 50.0 112 %	Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 mg/kg mg/kg Anal ND 20.0 1 88.3 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 112 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0500 1 09/28/22 ND 0.0250 1 09/28/22 ND 0.0250 1 09/28/22 mg/kg mg/kg Analyst: IV ND 20.0 1 09/28/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 ND 50.0 1 09/28/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0500 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 ND 0.0250 1 09/28/22 09/29/22 mg/kg 70-130 09/28/22 09/29/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/28/22 09/29/22 mg/kg mg/kg Analyst: JL ND 25.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22 ND 50.0 1 09/28/22 09/29/22



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

Plains TX, 79355-0247		Project Number: Project Manager:		m Bynum					9/30/2022 4:20:11PN
Volatile Organics by EPA 8021B									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240060-BLK1)							Prepared: 0	9/28/22	Analyzed: 09/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
LCS (2240060-BS1)							Prepared: 0	9/28/22	Analyzed: 09/29/22
Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	4.26	0.0250	5.00		85.2	70-130			
Toluene	4.54	0.0250	5.00		90.7	70-130			
o-Xylene	4.34	0.0250	5.00		86.7	70-130			
o,m-Xylene	8.63	0.0500	10.0		86.3	70-130			
Total Xylenes	13.0	0.0250	15.0		86.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			
LCS Dup (2240060-BSD1)							Prepared: 0	9/28/22	Analyzed: 09/29/22
Benzene	5.25	0.0250	5.00		105	70-130	0.673	20	
Ethylbenzene	4.28	0.0250	5.00		85.6	70-130	0.437	20	
Toluene	4.56	0.0250	5.00		91.2	70-130	0.570	20	
o-Xylene	4.36	0.0250	5.00		87.2	70-130	0.513	20	
o,m-Xylene	8.67	0.0500	10.0		86.7	70-130	0.465	20	
Total Xylenes	13.0	0.0250	15.0		86.8	70-130	0.481	20	
rotal regiones									



Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cotton Draw 237 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				9/30	0/2022 4:20:11PM	
	Non	halogenated	Organics	by EPA 80	15D - G	RO		Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2240060-BLK1)]	Prepared: 09	9/28/22 Analy	zed: 09/29/22	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130				
LCS (2240060-BS2)]	Prepared: 0	9/28/22 Analy	zed: 09/29/22	
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.3	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130				
LCS Dup (2240060-BSD2)]	Prepared: 0	9/28/22 Analy	zed: 09/29/22	
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130	5.62	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.9	70-130				



Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/30/2022 4:20:11PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				!	9/30/2022 4:20:11PN			
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2240047-BLK1)							Prepared: 0	9/28/22 Ar	nalyzed: 09/29/22			
tiesel Range Organics (C10-C28)	ND	25.0										
vil Range Organics (C28-C36)	ND	50.0										
urrogate: n-Nonane	58.5		50.0		117	50-200						
CS (2240047-BS1)							Prepared: 0	9/28/22 Ar	alyzed: 09/29/22			
riesel Range Organics (C10-C28)	234	25.0	250		93.4	38-132						
urrogate: n-Nonane	57.9		50.0		116	50-200						
Aatrix Spike (2240047-MS1)				Source:	E209164-	08	Prepared: 0	9/28/22 Ar	alyzed: 09/29/22			
riesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132						
urrogate: n-Nonane	56.9		50.0		114	50-200						
Matrix Spike Dup (2240047-MSD1)				Source:	E209164-	08	Prepared: 0	9/28/22 Ar	nalyzed: 09/29/22			
tiesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	1.54	20				
urrogate: n-Nonane	56.4		50.0		113	50-200						



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	C	Cotton Draw 23 1058-0007 Com Bynum	7				Reported: 9/30/2022 4:20:11PM
Timis 17, 17555 0247		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 (2240072-BLK1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/29/22
Chloride	ND	20.0							
LCS (2240072-BS1)							Prepared: 09	9/28/22 Ar	nalyzed: 09/29/22
Chloride	252	20.0	250		101	90-110			
LCS Dup (2240072-BSD1)							Prepared: 09	9/28/22 Ar	alyzed: 09/29/22
Chloride	249	20.0	250		99.4	90-110	1.33	20	

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/30/22 16:20

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Page
232
of 235

Project In	formatio	n		Ch	ain of Custod	y											Page	9_of_10
Project: Project N Address: City, Stat Phone:	Offmanager: 5614 Ne. Zip H 580-748 om@pi	Tom By Loving obbs. N -1613 maoil.co	ton Hwy. M. 88240	Attention: Devon Energy Address: City, State, Zip Phone: Email: Pima Project # \32	Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021				er Meth	od MN	¥		Y	State D UT A	RCRA Z TX
Sampled	Sampled	Matrix	Containers	Sample ID	Number	8	88	8	Š	Met	용	-	Benoc	BGBOC			Remari	CS .
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3:10				CSW7	17	1						$\neg \dagger$	11	1	 	1-1-		
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3:20				CSW 9	19	↓	<u> </u>	<u> </u>					41	_	_			
3:25				CSWID	120	<u> </u>									<u> </u>			
Addition				Billing# 21004052														
l, (field samp date or time	ler), attest t of collection	o the validit	y and authented fraud and r	icity of this sample. I am aware that tampering with or intentionally mismay be grounds for legal action. Sampled by: (COTT) Time Received by: (Signature)	labelling the sampl	e locat	on,				-	-	-			eceived on ice the d 6 °C on subsequent	-	apled or received
Relinquishe Relinquishe Relinquishe	by: (Sign	and a	Date 9 Date Date	27/22 2:30	Date	22	Time Time	XX \	21 3	II./	Blyed i Tem		(中	<i>?</i>) !		ily 13		
				queous, O - Other suits are reported unless other arrangements are made. Hazan	Containe												naturie of +1	ne above

envirotech

Client: Pima Environmental Services Project: Coffor Draw Unit 237

Lab Use Only

Attention: Dovon Energy

EPA Program

TAT

Project: Coffin D			237	Atter	ntion: Dev	ion Ene	rou		Lab_	WQ#		. 1	Job J	Num	\mathcal{W}	10	20	3[St	andard	CWA	SDWA
Project Manager: 1				Adar	ess:				E2	\mathbb{C}	ШO	<u>u</u>		D	\overline{m}	H.				X b		
Address: 5614 N. I				1.00	State, Zip								Analy	sis ar	d Met	10d	_					RCRA
City, State, Zip Hobbs, NM, 88240 Phone: Phone: 580-748-1613 Fmail:									ا ؞ ا						•	1	1	1	1		State	L
Prione: 580-748-1613 Email: Email:								by 8015	8 8			1 1		ı	i	1	1		NM CO		TX	
Report due by:				Pim	a Project i	#122			ě O	o Pá	8021	3260	8	300.		}	2			λ	0. ~	 '^ -
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO	GRO/DRO	втех by 2	VOC by 8260	Metals 6010	Chloride 300.0		200	3 8	3			Remarks	
3:30 9/26/22	5	١	CSWII					1								2	,					
3:35	}		CSW12					2									1					
3:40			CSWIZ					3														
3:45			CSWIL					4														
3:50			CSW15					5														
3:55			CSWIL)				6														
4:00		,	CSWM																	i 		
4:05			CSW 18	1				8														
4:10			CSW 19					9														
4:15		1	CSWZC)				<u>10</u>									1					
Additional Instructi		Billio		<u>,~,~</u>	0405								10				<u></u>					
, (field sampler), attest to I late or time of collection is	s considered	i fraud and m	nay be grounds for leg	gal action.	San	Moled by: 🔀	ally misjabelling	the sample	locati	on,							ve 0 bu	rt less th	en 6°C on	on ice the day to subsequent day		ed or received
Relinacished by: (Signat	nder	Date		30	Received by:		_ 9		7	9	<u>}_`</u>	9	Rec	ejved	on ice	: (ペ	Use (N	Dnly			
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Relinquished by: (Signat	ture)	Date	THE T	(Received by: ((Sighature)		Date		Time			AVG	Ten	ip°C_	4				30. pgb.		
iample Matrix: S - Soil, Sd -								Containe					oly/pl	lastic,	ag - ar							
Note: Samples are disca amples is applicable on		-	-		_			-								client e	xpen	se. Th	e repor	t for the ana	lysis of the	above



Printed: 9/28/2022 12:16:40PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/28/22 10:0	00		Work Order ID:	E209164
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:3	4		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:0	00 (1 day TAT)			
	Custody (COC) e sample ID match the COC?		Yes				
	e number of samples per sampling site location mat	ch the COC	Yes				
	imples dropped off by client or carrier?		Yes	Carrier: U	PGI		
	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>01 </u>		
	I samples received within holding time?	•	Yes				
G 1 m	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comments	s/Resolution
	urn Around Time (TAT)		37		Project Co	tton Draw 23	7 has been split
	COC indicate standard TAT, or Expedited TAT?		Yes		1 -		-
Sample C			V		1 -		s/reports due to
	ample cooler received?		Yes		smaple vol	lume. WO# aı	e as follows:
•	was cooler received in good condition?		Yes		E209160/1	E209161/ E20	09162/ E209163/
	e sample(s) received intact, i.e., not broken?		Yes		E209164		
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 1	<u>~</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers')	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·		140				
	or field sample labels filled out with the minimum info	rmation:					
	umple ID?		Yes				
	ate/Time Collected?		Yes				
Co	ollectors name?		No				
	<u>reservation</u>						
	the COC or field labels indicate the samples were pr	eserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	he sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA Su	bcontract Lab	b: NA		
Client In	struction						

Date

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

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410

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

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

CONDITIONS

Action 169210

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	169210
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	1/17/2023