

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	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: Jocelyn Harimon Date: 12/21/2022

Incident ID	nAPP2203738955
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Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: 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

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

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. NAPP2203738955

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 (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2203738955: 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: 7-20-22		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
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
S-1	1'	ND	ND	ND	ND	ND	0	1550
	3'	ND	ND	ND	ND	ND	0	1470
	6'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	11000
	3'	ND	ND	ND	ND	ND	0	2040
	5'	ND	ND	ND	ND	ND	0	43.3
S-3	1'	ND	ND	ND	ND	ND	0	820
	4'	ND	ND	ND	ND	ND	0	1030
	8'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	1990
	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	CI 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'	ND	ND	ND	ND	ND	0	ND
CS 22	5'	ND	ND	ND	ND	ND	0	ND
CS 23	5'	ND	ND	ND	ND	ND	0	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	5'	ND	ND	ND	ND	ND	0	ND
CS 35	5'	ND	ND	ND	ND	ND	0	ND
CS 36	5'	ND	ND	ND	ND	ND	0	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	5'	ND	ND	ND	ND	ND	0	ND
CS 48	5'	ND	ND	ND	ND	ND	0	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	0	ND
CS 52	5'	ND	ND	ND	ND	ND	0	ND
CS 53	5'	ND	ND	ND	ND	ND	0	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	5'	ND	ND	ND	ND	ND	0	ND
CS 58	5'	ND	ND	ND	ND	ND	0	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	5'	ND	ND	ND	ND	ND	0	ND
CS 63	5'	ND	ND	ND	ND	ND	0	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	5'	ND	ND	ND	ND	ND	0	ND
CS 68	5'	ND	ND	ND	ND	ND	0	ND
CS 69	5'	ND	ND	ND	ND	ND	0	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'	ND	ND	ND	ND	ND	0	ND
CS 74	5'	ND	ND	ND	ND	ND	0	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



Pima Environmental Services

Figures:

1-Location Map

2-Topo Map

3-Karst Map


4-Site Map

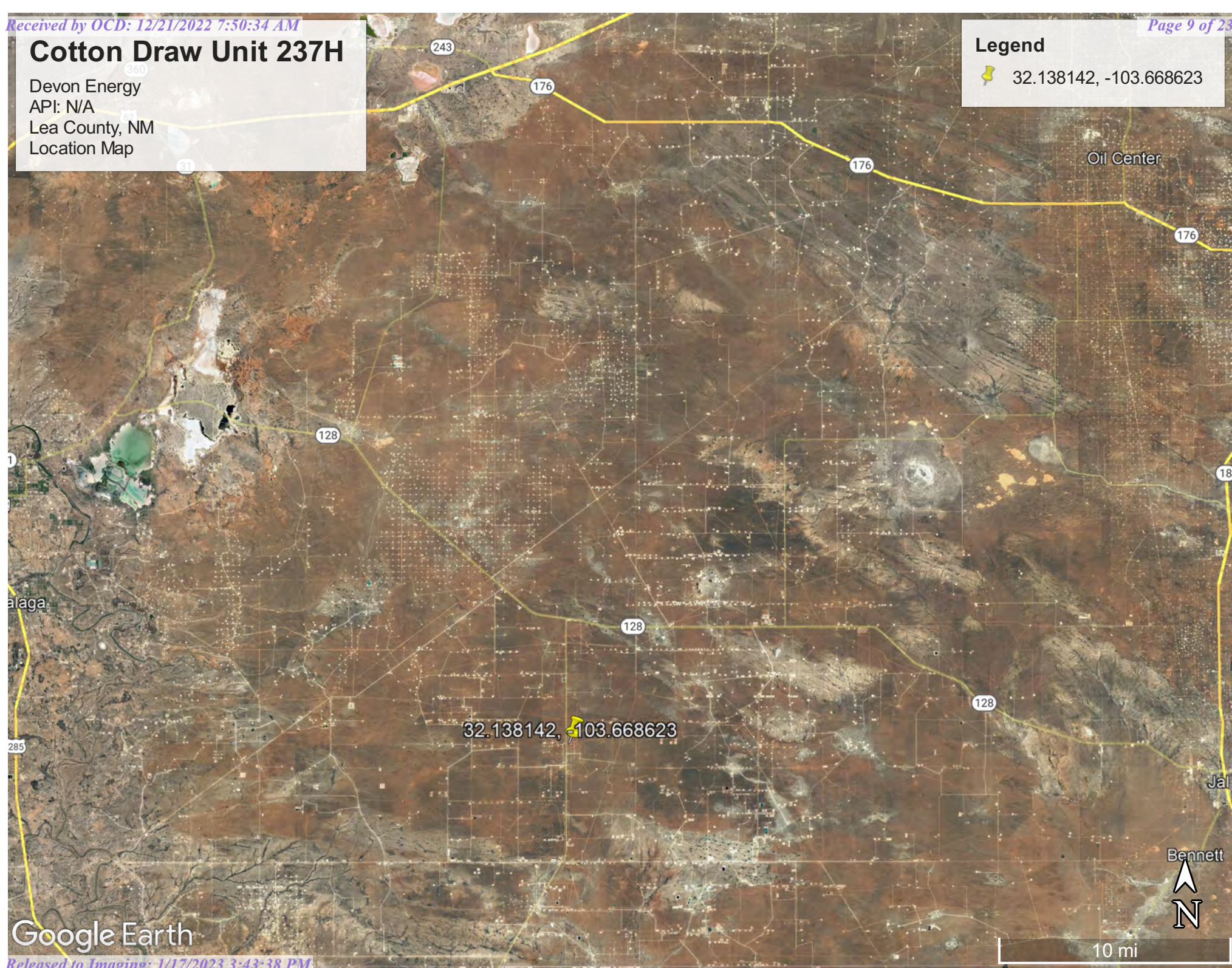
5-Confirmation Site Map

Cotton Draw Unit 237H

Devon Energy
API: N/A
Lea County, NM
Location Map

Legend


 32.138142, -103.668623

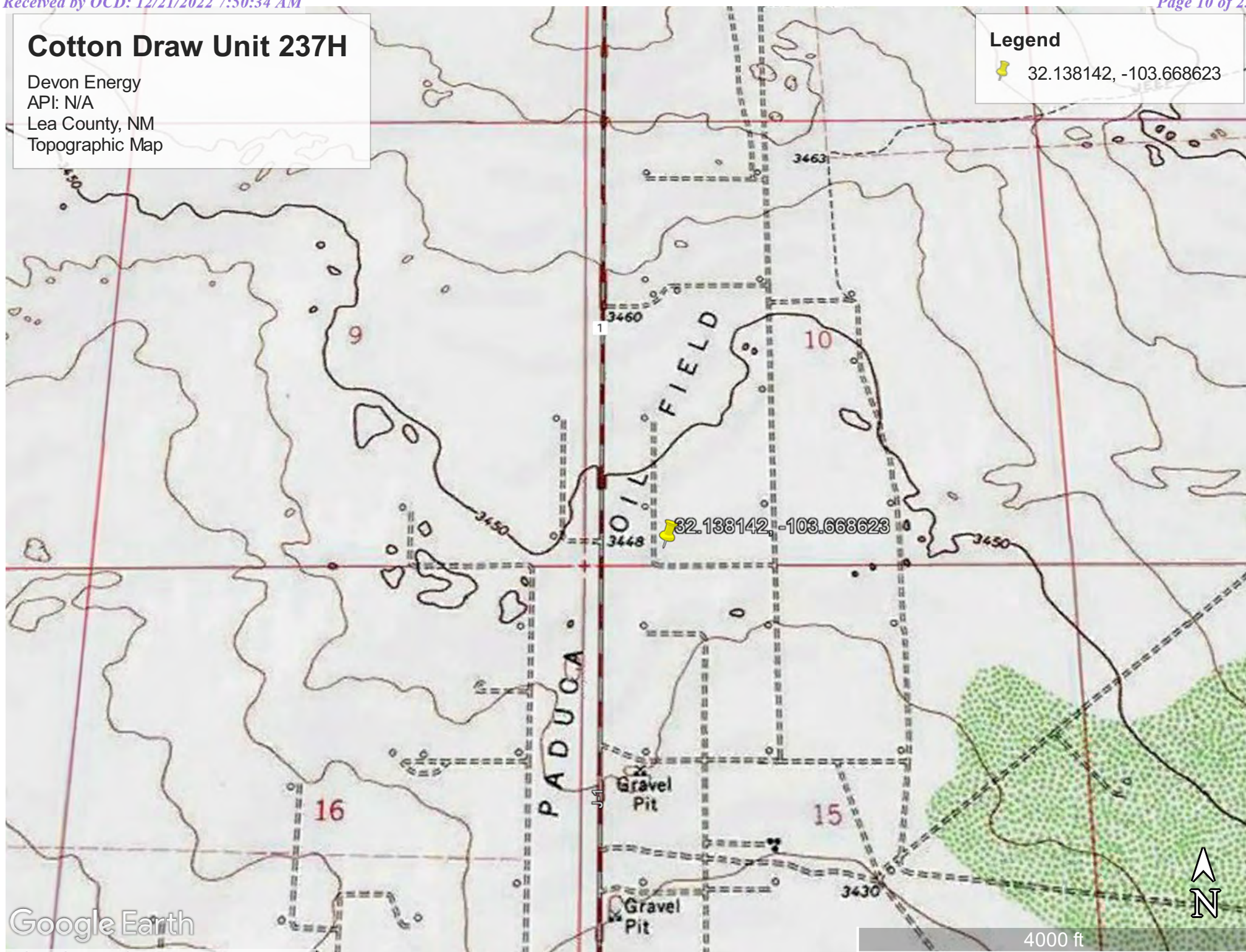


Cotton Draw Unit 237H

Devon Energy
API: N/A
Lea County, NM
Topographic Map

Legend

 32.138142, -103.668623



Google Earth

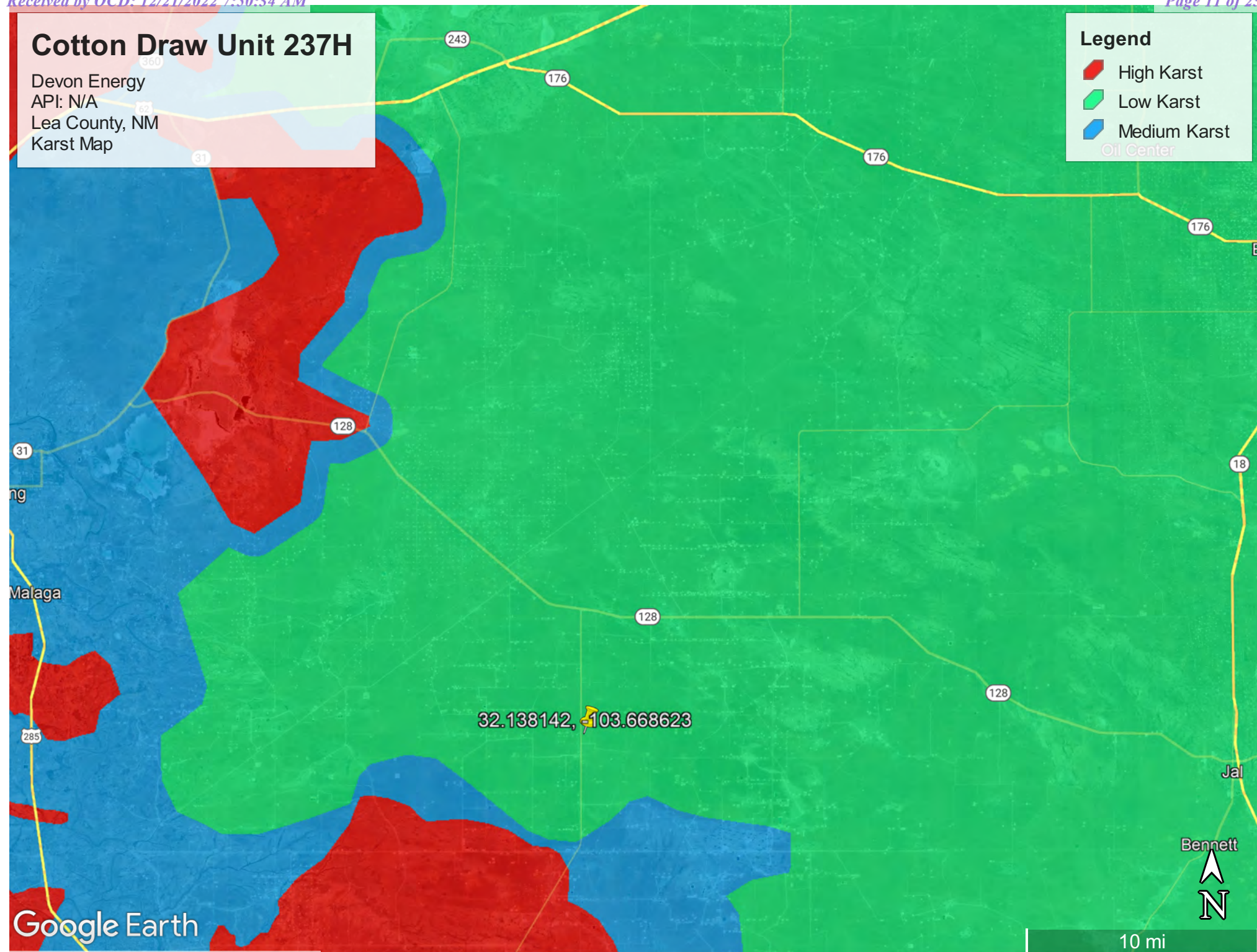
Cotton Draw Unit 237H

Devon Energy
API: N/A
Lea County, NM
Karst Map

Legend

- High Karst
- Low Karst
- Medium Karst

Oil Center

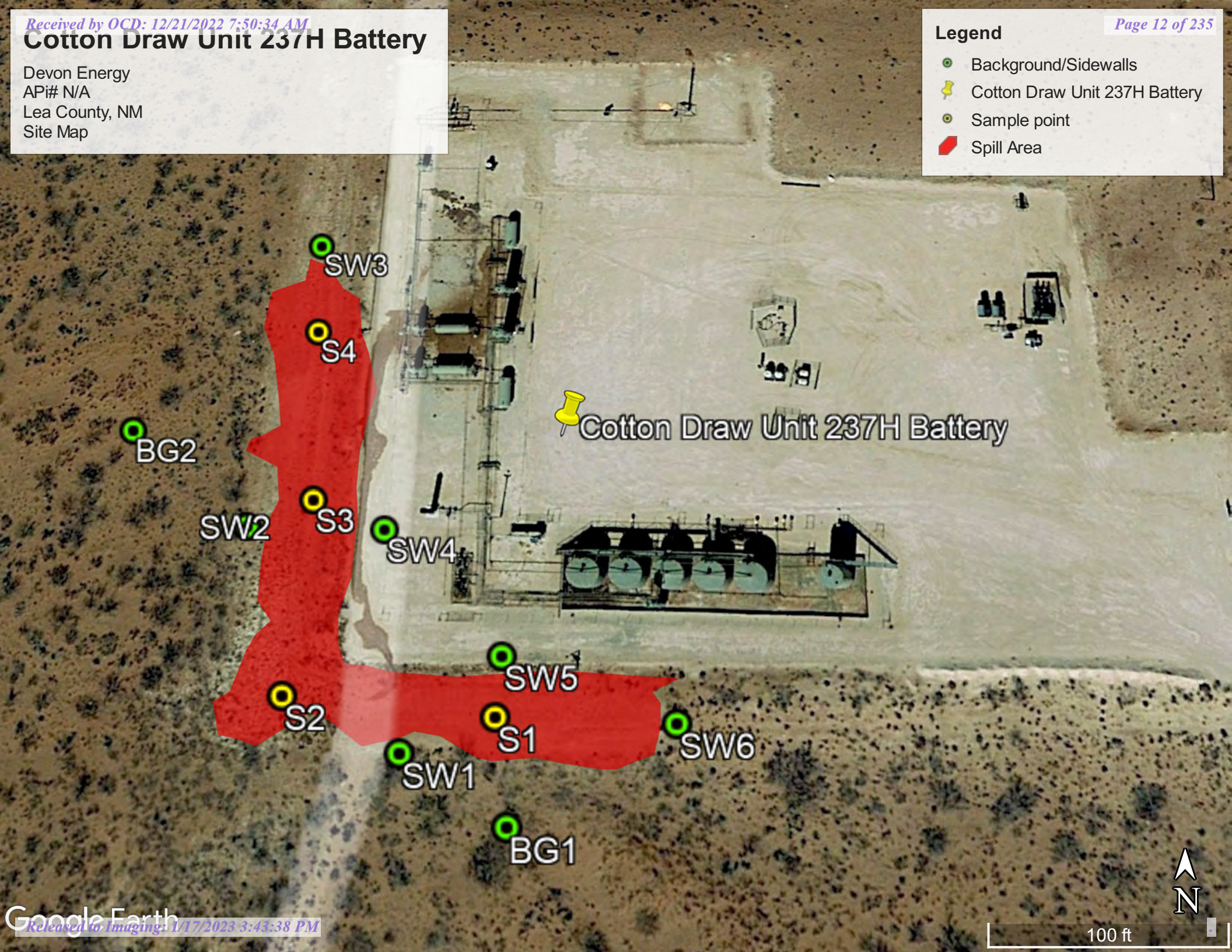


Cotton Draw Unit 237H Battery

Devon Energy
API# N/A
Lea County, NM
Site Map

Legend

- Background/Sidewalls
- Cotton Draw Unit 237H Battery
- Sample point
- Spill Area



Cotton Draw Unit 237H Battery

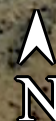
Devon Energy
AP#30-025-41996
Lea County, NM
Confirmation Map

Legend

- Confirmation Samples
- excavation area
- Sidewalls



Cotton Draw Unit 237H Battery



Google Earth

200 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub- basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
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	X	Y
NA	C 04634 POD1	4	3	3	10	25S	32E	625643	3556522

Driller License: 1249

Driller Company: ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 06/07/2022

Drill Finish Date: 06/07/2022

Plug Date:

Log File Date: 06/16/2022

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield: 0 GPM

Casing Size:

Depth Well: 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.



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[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321005103402301

Minimum number of levels = 1

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

USGS 321005103402301 24S.32E.33.42241

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

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

Land-surface elevation 3,499.00 feet above NGVD29

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

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

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

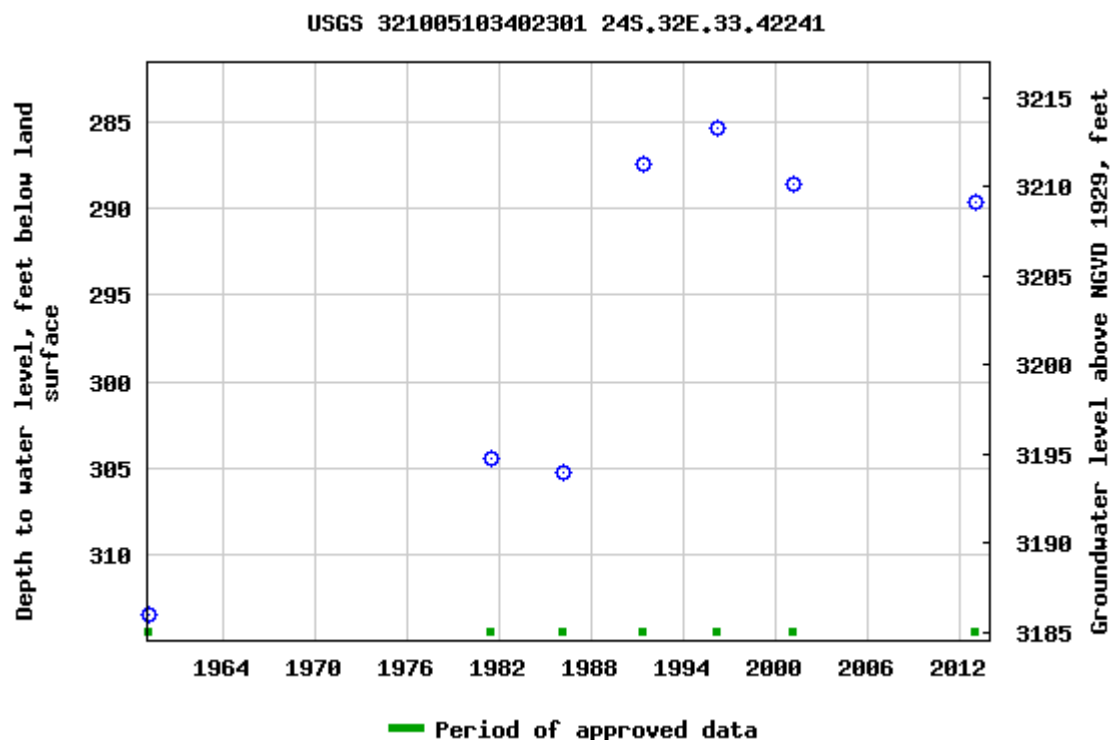
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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

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

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

0.55 0.46 nadww01



Cotton Draw Unit 237H Battery

Devon Energy
API:
Lea County, NM
Surface Water Map

Legend

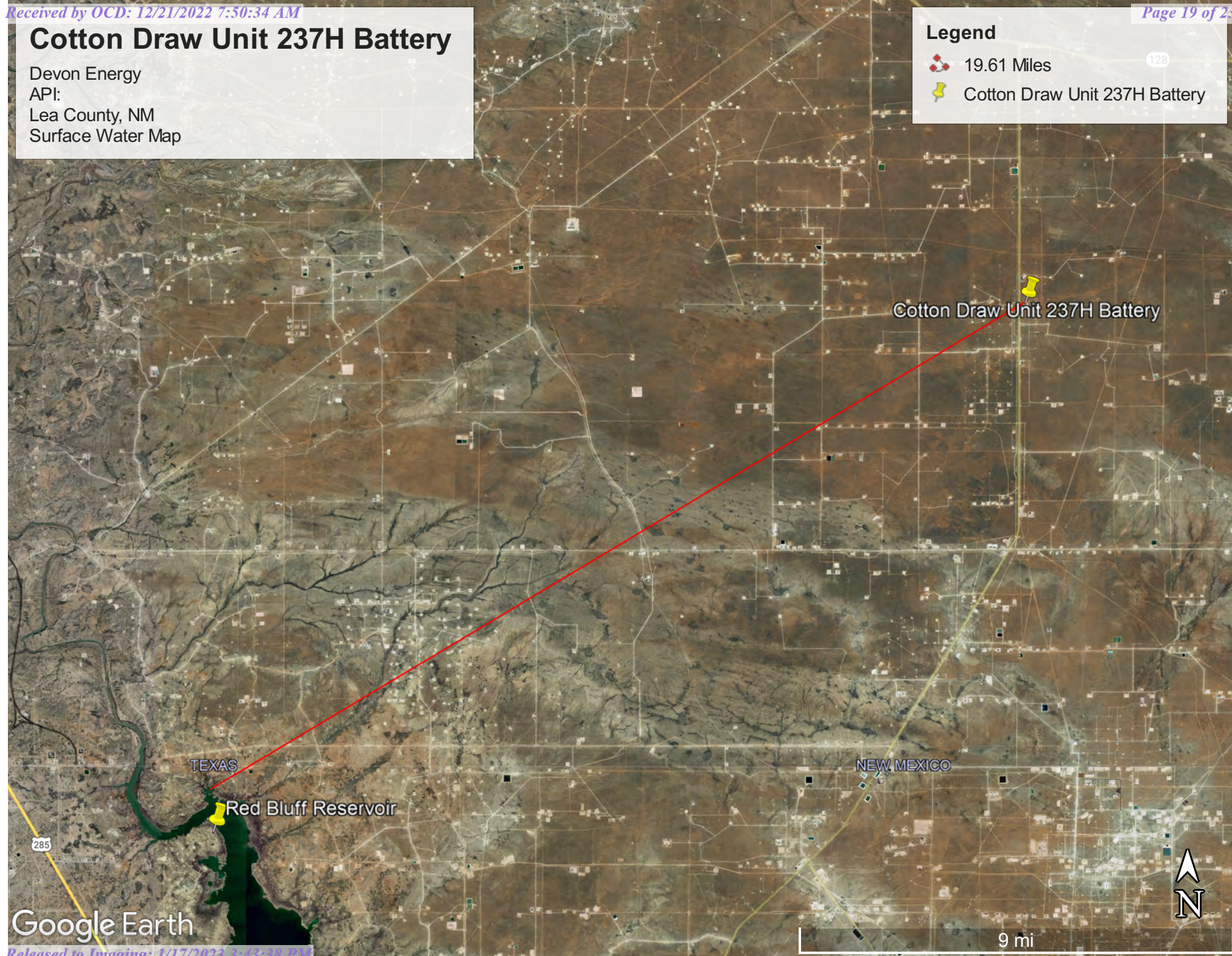


19.61 Miles

128



Cotton Draw Unit 237H Battery



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

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

Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

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

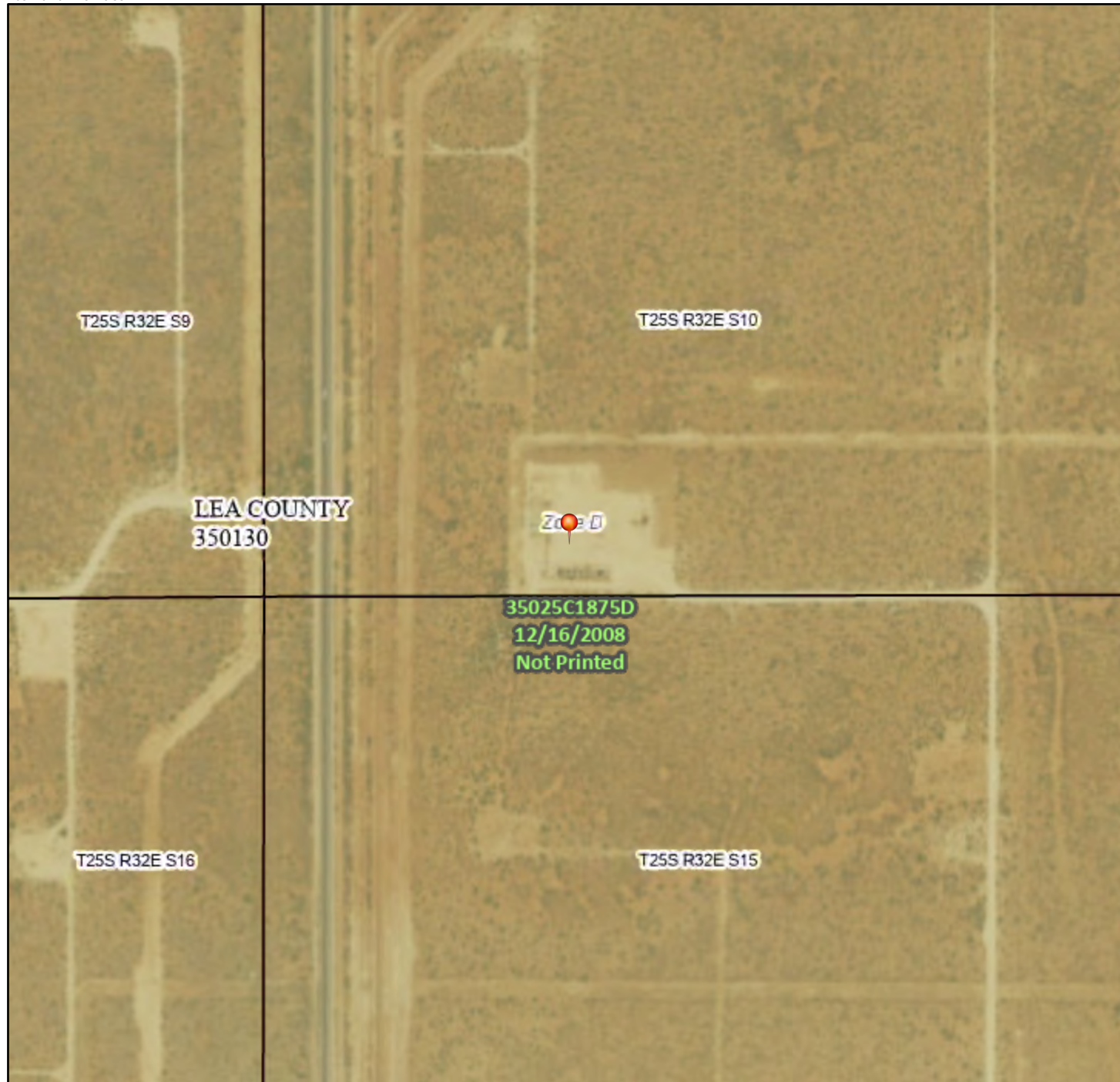
Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022



National Flood Hazard Layer FIRMette



103°40'26"W 32°8'33"N



Legend

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

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



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

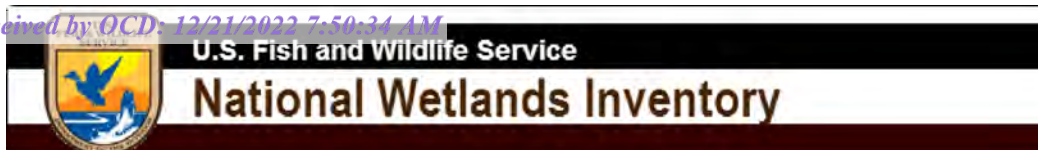
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **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.

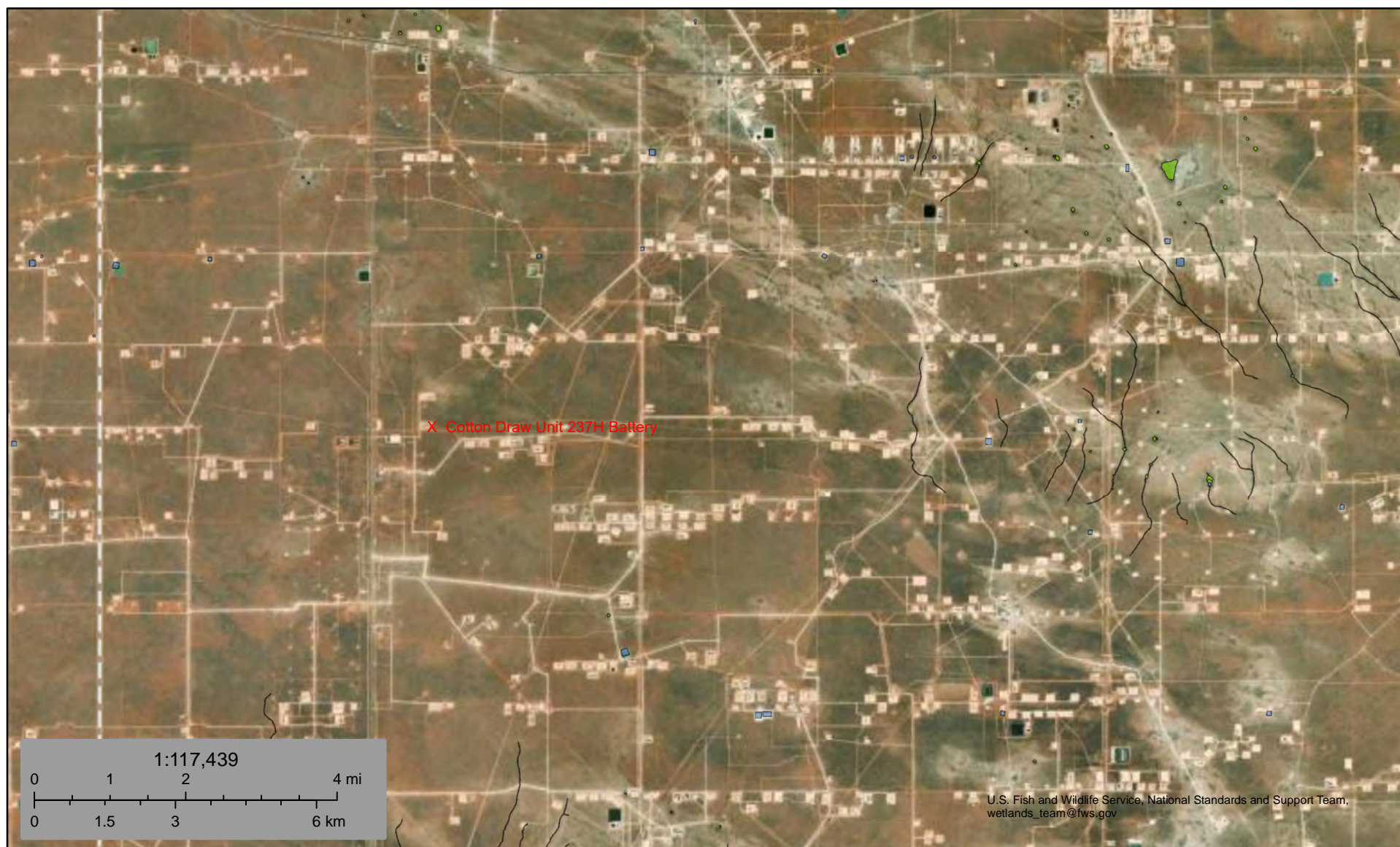
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 1/17/2023 3:43:38 PM

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



Wetlands Map



November 4, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources 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 Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/22/2022</u>

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	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: _____

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.*

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

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

Printed Name: Dale Woodall Title: EHS Professional
Signature: Dale Woodall Date: 12/21/22
email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui 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>

Wed, Sep 21, 2022 at 5:50 AM

To: OCDOnline@state.nm.us

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

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



Pima Environmental Services

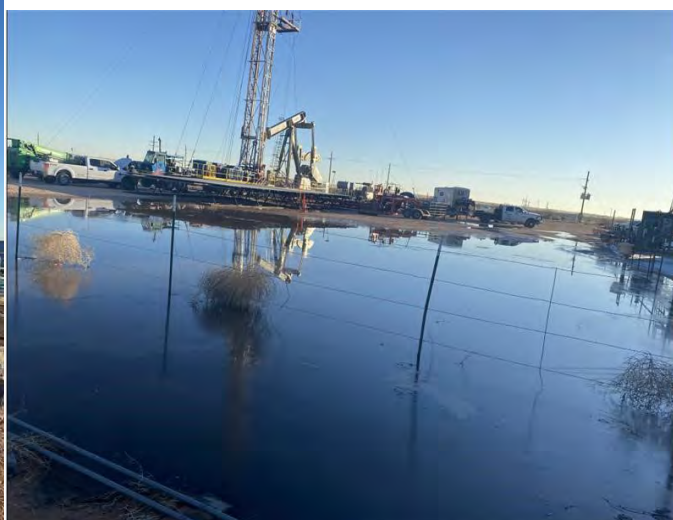
Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT 237 CTB 2**

Pre-Treatment





Post Treatment







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW1	6
SW2	7
SW3	8
SW4	9
SW5	10
SW6	11
S.1 1'	12
S.1 3'	13
S.1 6'	14
S.2 1'	15
S.2 3'	16
S.2 5'	17
S.3 1'	18
S.3 4'	19
S.3 8'	20
S.4 1'	21
S.4 3'	22
S.4 5'	23
BG 1	24
BG 2	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 237H Battery	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

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

SW1

E207169-01

Analyte	Result	Reporting Limit	Dilution	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	93.3 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8	105 %	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	93.3 %	70-130		07/25/22	07/27/22	
Surrogate: Toluene-d8	105 %	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: RAS		Batch: 2231045
Chloride	ND	20.0	1	07/27/22	07/27/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

SW2

E207169-02

Analyte	Result	Reporting Limit	Dilution	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: RAS		Batch: 2231045
Chloride	90.9	20.0	1	07/27/22	07/27/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

SW3

E207169-03

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

SW4

E207169-04

Analyte	Result	Reporting Limit	Dilution	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	99.6 %	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		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	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		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	104 %	50-200		07/27/22	07/27/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

SW5

E207169-05

Analyte	Result	Reporting Limit	Dilution	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		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	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: 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		104 %	50-200	07/27/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231045
Chloride	49.7	20.0	1	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

SW6

E207169-06

Analyte	Result	Reporting Limit	Dilution	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	98.9 %	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	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	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: RAS		Batch: 2231045
Chloride	ND	20.0	1	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.1 1'

E207169-07

Analyte	Result	Reporting Limit	Dilution	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.1 3'

E207169-08

Analyte	Result	Reporting Limit	Dilution	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	99.6 %	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		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		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		Analyst: RAS		Batch: 2231045
Chloride	1470	20.0	1	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.1 6'

E207169-09

Analyte	Result	Reporting Limit	Dilution	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	98.9 %	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: RKS		Batch: 2231012
Gasoline Range Organics (C6-C10)	ND	20.0	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 - 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	106 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.2 1'

E207169-10

Analyte	Result	Reporting Limit	Dilution	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		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		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		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		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		107 %	50-200	07/27/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231045
Chloride	11000	400	20	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.2 3'

E207169-11

Analyte	Result	Reporting Limit	Dilution	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		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: 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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.2 5'

E207169-12

Analyte	Result	Reporting Limit	Dilution	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	99.2 %	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		Analyst: 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		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	105 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231045
Chloride	43.3	20.0	1	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.3 1'

E207169-13

Analyte	Result	Reporting Limit	Dilution	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		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: 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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.3 4'

E207169-14

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.3 8'

E207169-15

Analyte	Result	Reporting Limit	Dilution	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: 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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.4 1'

E207169-16

Analyte	Result	Reporting Limit	Dilution	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		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	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: 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		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	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.4 3'

E207169-17

Analyte	Result	Reporting Limit	Dilution	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	98.3 %	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	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: 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	126 %	50-200		07/27/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231045
Chloride	2130	40.0	2	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

S.4 5'

E207169-18

Analyte	Result	Reporting Limit	Dilution	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		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	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

BG 1

E207169-19

Analyte	Result	Reporting Limit	Dilution	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		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: 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	ND	20.0	1	07/27/22	07/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw Unit 237H Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2022 5:02:16PM

BG 2

E207169-20

Analyte	Result	Reporting Limit	Dilution	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	99.5 %	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: 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	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-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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231012-BLK1)

Prepared: 07/25/22 Analyzed: 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: 07/25/22 Analyzed: 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: 07/25/22 Analyzed: 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			
Surrogate: Toluene-d8	0.523		0.500		105	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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231012-BLK1)

Prepared: 07/25/22 Analyzed: 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 Analyzed: 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 Analyzed: 07/28/22

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130	4.27	20	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231040-BLK1)

Prepared: 07/27/22 Analyzed: 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: 07/27/22 Analyzed: 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: 07/27/22 Analyzed: 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: 07/27/22 Analyzed: 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			



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

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2231045-BLK1)					Prepared: 07/27/22 Analyzed: 07/27/22				
Chloride	ND	20.0							
LCS (2231045-BS1)					Prepared: 07/27/22 Analyzed: 07/27/22				
Chloride	243	20.0	250		97.3	90-110			
Matrix Spike (2231045-MS1)					Source: E207169-01		Prepared: 07/27/22 Analyzed: 07/27/22		
Chloride	244	20.0	250	ND	97.5	80-120			
Matrix Spike Dup (2231045-MSD1)					Source: E207169-01		Prepared: 07/27/22 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

Chain of Custody

Page 1 of 2

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only				TAT				EPA Program		
Project: <u>Cotton Draw Unit 2374 Battery</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E2071109</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method										RCRA
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip												
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:												
Phone: <u>580-748-1613</u>					Email:												
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>132</u>												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	Remarks	
2:00	7/20/22	S		SW 1	1									X			
2:05				SW 2	2												
2:10				SW 3	3												
2:15				SW 4	4												
2:20				SW 5	5												
2:25				SW 6	6												
2:30				S.1 1'	7												
2:35				S.1 3'	8												
2:40				S.1 6'	9												
2:45				S.2 1'	10												
Additional Instructions: <u>Billing # 21004052</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Audriana B.</u>																	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>[Signature]</u>		7/21/22	3:00	<u>[Signature]</u>		7-21-22	3:00	Received on ice: <u>(Y) N</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
<u>[Signature]</u>		7-21-22	4:15	<u>[Signature]</u>		7/25/22	10:15										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>[Signature]</u>																	
Sample Matrix (S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other) Container Type (g - glass, p - poly/plastic, ag - amber glass, v - VOA)																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Project Information

Chain of Custody

Page 2 of 2

Client: Pima Environmental Services Project: Cotton Draw Unit 2374 Battery Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab WO# E207149 Job Number 01058-0007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BDOC BDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
2:50	7/20/22	S		S.2 3'	11									X						
2:55				S.2 5'	12															
3:00				S.3 1'	13															
3:05				S.3 4'	14															
3:10				S.3 8'	15															
3:15				S.4 1'	16															
3:20				S.4 8'	17															
3:25				S.4 5'	18															
3:30				BG 1	19															
3:35				BG 2	20															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/25/2022 3:49:52PM

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 10:15	Work Order ID:	E207169
Phone:	(575) 631-6977	Date Logged In:	07/25/22 11:10	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/28/22 17:00 (3 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1	6
CS2	7
CS3	8
CS4	9
CS5	10
CS6	11
CS7	12
CS8	13
CS9	14
CS10	15
CS11	16
CS12	17
CS13	18
CS14	19
CS15	20
CS16	21
CS17	22
CS18	23
CS19	24
CS20	25

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

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

E209160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %	70-130	09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		110 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS2

E209160-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS3

E209160-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS4

E209160-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS5

E209160-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS6

E209160-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS7

E209160-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS8

E209160-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS9

E209160-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240068	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS10

E209160-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		108 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240068	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS11

E209160-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS12

E209160-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	111 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240068	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS13

E209160-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS14

E209160-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS15

E209160-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS16

E209160-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS17

E209160-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS18

E209160-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.2 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS19

E209160-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:17:57PM

CS20

E209160-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240068
Chloride	ND	20.0	1	09/28/22	09/28/22	



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

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240056-BLK1)

Prepared: 09/28/22 Analyzed: 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: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

LCS (2240056-BS1)

Prepared: 09/28/22 Analyzed: 09/29/22

Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.9	70-130			
Toluene	4.61	0.0250	5.00		92.3	70-130			
o-Xylene	4.41	0.0250	5.00		88.2	70-130			
p,m-Xylene	8.81	0.0500	10.0		88.1	70-130			
Total Xylenes	13.2	0.0250	15.0		88.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

LCS Dup (2240056-BSD1)

Prepared: 09/28/22 Analyzed: 09/29/22

Benzene	4.75	0.0250	5.00		94.9	70-130	11.0	20	
Ethylbenzene	3.90	0.0250	5.00		78.0	70-130	10.7	20	
Toluene	4.13	0.0250	5.00		82.7	70-130	11.0	20	
o-Xylene	3.97	0.0250	5.00		79.3	70-130	10.6	20	
p,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	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240056-BLK1) Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240042-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2240042-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	226	25.0	250		90.6	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			

Matrix Spike (2240042-MS1)

Source: E209160-14

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			

Matrix Spike Dup (2240042-MSD1)

Source: E209160-14

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132	2.18	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



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

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2240068-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240068-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	271	20.0	250		109	90-110			
LCS Dup (2240068-BSD1)					Prepared: 09/28/22 Analyzed: 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

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 15:17

- 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 Custody

Page 1 of 10

Client: Pima Environmental Services Project: COTTONWOOD 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab WO# E2091100 Job Number 01058-0051 Analysis and Method					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
														State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>						
														NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>						
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX					
8:00	9/26/22	S	1	CS1	1									X						
8:05				CS2	2															
8:10				CS3	3															
8:15				CS4	4															
8:20				CS5	5															
8:25				CS6	6															
8:30				CS7	7															
8:35				CS8	8															
8:40				CS9	9															
8:45				CS10	10															
Additional Instructions: Billing # 21004052																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:30</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>4:30</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>10:00</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:00</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>10:00</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>10:00</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

Project Information

Chain of Custody

Page 2 of 10

Client: Pima Environmental Services Project: (Chowden) Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip Phone: Email: Pima Project #132					Lab Use Only Lab WOH# E2091100 Job Number 1058000 Analysis and Method					TAT 1D 2D 3D			EPA Program CWA SDWA RCRA		
										Standard #66			State NM CO UT AZ TX							
										Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	BGDOC	BGDOC TX						
8:50	9/26/22	S	1	CS 11	11								X							
8:55				CS 12	12															
9:00				CS 13	13															
9:05				CS 14	14															
9:10				CS 15	15															
9:15				CS 16	16															
9:20				CS 17	17															
9:25				CS 18	18															
9:30				CS 19	19															
9:35				CS 20	20															

Additional Instructions: Billing* 210004052

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

Relinquished by: (Signature) *[Signature]* Date 9/27/22 Time 2:30
 Relinquished by: (Signature) *[Signature]* Date 9-28-22 Time 10:00
 Relinquished by: (Signature) _____ Date _____ Time _____

Received by: (Signature) *[Signature]* Date 9-27-22 Time 3:00
 Received by: (Signature) *[Signature]* Date 9/28/22 Time 10:00
 Received by: (Signature) _____ Date _____ Time _____

Lab Use Only
 Received on Ice: ☒ Y ☐ N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

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

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

Envirotech Analytical Laboratory

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

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 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Cotton Draw 237 has been split into multiple workorders/reports due to sample volume. WO# are as follows:
E209160/ E209161/ E209162/ E209163/
E209164

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS21	6
CS22	7
CS23	8
CS24	9
CS25	10
CS26	11
CS27	12
CS28	13
CS29	14
CS30	15
CS31	16
CS32	17
CS33	18
CS34	19
CS35	20
CS36	21
CS37	22
CS38	23
CS39	24
CS40	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS21

E209161-01

Analyte	Result	Reporting Limit	Dilution	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	103 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	97.7 %	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	103 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	97.7 %	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	09/28/22	
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		Analyst: KL		Batch: 2240069
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS22

E209161-02

Analyte	Result	Reporting Limit	Dilution	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	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS23

E209161-03

Analyte	Result	Reporting Limit	Dilution	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		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	Analyst: IY		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	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		106 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2240069	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS24

E209161-04

Analyte	Result	Reporting Limit	Dilution	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		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	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	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		Analyst: KL		Batch: 2240069
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS25

E209161-05

Analyte	Result	Reporting Limit	Dilution	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	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	Analyst: IY		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	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	Analyst: KL		Batch: 2240069	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS26

E209161-06

Analyte	Result	Reporting Limit	Dilution	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		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	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: 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		109 %	50-200	09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2240069	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS27

E209161-07

Analyte	Result	Reporting Limit	Dilution	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	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: 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: KL		Batch: 2240069	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS28

E209161-08

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS29

E209161-09

Analyte	Result	Reporting Limit	Dilution	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		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	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		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	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	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS30

E209161-10

Analyte	Result	Reporting Limit	Dilution	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	87.0 %	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	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	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	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS31

E209161-11

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS32

E209161-12

Analyte	Result	Reporting Limit	Dilution	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: 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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS33

E209161-13

Analyte	Result	Reporting Limit	Dilution	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: 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		108 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS34

E209161-14

Analyte	Result	Reporting Limit	Dilution	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		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
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS35

E209161-15

Analyte	Result	Reporting Limit	Dilution	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		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	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	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
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS36

E209161-16

Analyte	Result	Reporting Limit	Dilution	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	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	Analyst: IY		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	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	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS37

E209161-17

Analyte	Result	Reporting Limit	Dilution	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	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	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: 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	104 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS38

E209161-18

Analyte	Result	Reporting Limit	Dilution	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	99.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	87.8 %	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: 2240057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	87.8 %	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: 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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS39

E209161-19

Analyte	Result	Reporting Limit	Dilution	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	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 2:58:16PM

CS40

E209161-20

Analyte	Result	Reporting Limit	Dilution	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: 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		111 %	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	



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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2240057-BLK1)

Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 09/29/22

Benzene	2.17	0.0250	2.50		86.7	70-130	1.02	23	
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130	0.690	27	
Toluene	2.11	0.0250	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			
Surrogate: Toluene-d8	0.484		0.500		96.8	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 2:58:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240057-BLK1)

Prepared: 09/28/22 Analyzed: 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)

Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 09/29/22

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.5	70-130	0.536	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.418		0.500		83.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	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 2:58:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240043-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.4		50.0		105	50-200			

LCS (2240043-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	50-200			

Matrix Spike (2240043-MS1)

Source: E209161-07

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.3	50-200			

Matrix Spike Dup (2240043-MSD1)

Source: E209161-07

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	2.08	20	
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	50-200			



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

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2240069-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240069-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240069-BSD1)					Prepared: 09/28/22 Analyzed: 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

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 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.



Client: Pima Environmental Services Project: Cotton Draw Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:				Billed To: Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Lab WO#</th> <th colspan="2">Job Number</th> <th colspan="3">TAT</th> <th colspan="2">EPA Program</th> </tr> <tr> <td>E2091101</td> <td></td> <td>010580007X</td> <td></td> <td>1D</td> <td>2D</td> <td>3D</td> <td>Standard</td> <td>CWA</td> <td>SDWA</td> </tr> <tr> <td colspan="7"></td> <td>RCRA</td> <td></td> </tr> <tr> <td colspan="7"></td> <td>State</td> <td></td> </tr> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="9">Remarks</td> </tr> </table>										Lab WO#		Job Number		TAT			EPA Program		E2091101		010580007X		1D	2D	3D	Standard	CWA	SDWA								RCRA									State		NM	CO	UT	AZ	TX					x									Remarks								
Lab WO#		Job Number		TAT			EPA Program																																																																										
E2091101		010580007X		1D	2D	3D	Standard	CWA	SDWA																																																																								
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX																																																																				
9:40	9/24/22	S	1	CS 21	1							X																																																																					
9:45	/	/	1	CS 22	2							/																																																																					
9:50	/	/		CS 23	3							/																																																																					
9:55	/	/		CS 24	4							/																																																																					
10:00	/	/		CS 25	5							/																																																																					
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10:10	/	/		CS 27	7							/																																																																					
10:15	/	/		CS 28	8							/																																																																					
10:20	/	/		CS 29	9							/																																																																					
10:25	/	/		CS 30	10							/																																																																					

Additional Instructions: Billing # 21004052

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

Relinquished by: (Signature) [Signature] Date 9/27/22 Time 2:30 Received by: (Signature) [Signature] Date 9/27/22 Time 2:00

Relinquished by: (Signature) [Signature] Date 9/27/22 Time 4:15 Received by: (Signature) [Signature] Date 9/28/22 Time 10:00

Relinquished by: (Signature) [Signature] Date [Blank] Time [Blank] Received by: (Signature) [Signature] Date [Blank] Time [Blank]

AVG Temp °C 4

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

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

Project Information

Chain of Custody

Page 4 of 10

Client: Pima Environmental Services Project: <u>Cotton Draw Unit 237</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>132</u>					Lab Use Only Lab WO# <u>E2091161</u> Job Number <u>010580007</u> Analysis and Method					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
										State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>										
										Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	TX	BGDOC	TX	Remarks				
10:30	9/26/22	S	1	CS 31	11															
10:35				CS 32	12															
10:40				CS 33	13															
10:45				CS 34	14															
10:50				CS 35	15															
10:55				CS 36	16															
11:00				CS 37	17															
11:05				CS 38	18															
11:10				CS 39	19															
11:15				CS 40	20															
Additional Instructions: <u>Billing # 21DD4052</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <input checked="" type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 <u>4</u> T2 <u>4</u> T3 <u>4</u> AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

Envirotech Analytical Laboratory

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

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:	E209161
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:25	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Cotton Draw 237 has been split into multiple workorders/reports due to sample volume. WO# are as follows:
E209160/ E209161/ E209162/ E209163/
E209164

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

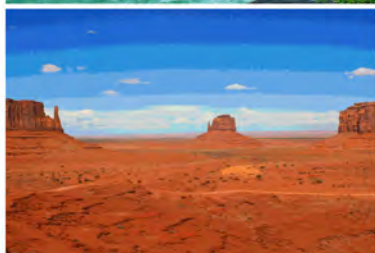
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS41	6
CS42	7
CS43	8
CS44	9
CS45	10
CS46	11
CS47	12
CS48	13
CS49	14
CS50	15
CS51	16
CS52	17
CS53	18
CS54	19
CS55	20
CS56	21
CS57	22
CS58	23
CS59	24
CS60	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS41

E209162-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>	95.6 %	70-130		09/28/22	09/29/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.2 %	70-130		09/28/22	09/29/22	
<i>Surrogate: Toluene-d8</i>	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	09/28/22	09/29/22	
<i>Surrogate: Bromofluorobenzene</i>	95.6 %	70-130		09/28/22	09/29/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.2 %	70-130		09/28/22	09/29/22	
<i>Surrogate: Toluene-d8</i>	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	09/28/22	09/28/22	
<i>Surrogate: n-Nonane</i>	108 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS42

E209162-02

Analyte	Result	Reporting Limit	Dilution	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	98.7 %	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: IY		Batch: 2240058	
Gasoline Range Organics (C6-C10)	ND	20.0	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 - 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	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: RAS		Batch: 2240070	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS43

E209162-03

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS44

E209162-04

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	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	
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS45

E209162-05

Analyte	Result	Reporting Limit	Dilution	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: 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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS46

E209162-06

Analyte	Result	Reporting Limit	Dilution	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: 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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS47

E209162-07

Analyte	Result	Reporting Limit	Dilution	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: 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	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
Chloride	ND	20.0	1	09/28/22	09/28/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS48

E209162-08

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS49

E209162-09

Analyte	Result	Reporting Limit	Dilution	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	97.7 %	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	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	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	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS50

E209162-10

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS51

E209162-11

Analyte	Result	Reporting Limit	Dilution	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		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		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		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		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		104 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS52

E209162-12

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS53

E209162-13

Analyte	Result	Reporting Limit	Dilution	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		90.3 %	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: 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		90.3 %	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: 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		113 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS54

E209162-14

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	Analyst: RAS		Batch: 2240070	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS55

E209162-15

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS56

E209162-16

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS57

E209162-17

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS58

E209162-18

Analyte	Result	Reporting Limit	Dilution	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	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: IY		Batch: 2240058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS59

E209162-19

Analyte	Result	Reporting Limit	Dilution	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		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	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		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	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		117 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/29/2022 3:29:15PM

CS60

E209162-20

Analyte	Result	Reporting Limit	Dilution	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	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	Analyst: IY		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	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	120 %	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	



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 3:29:15PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2240058-BLK1)

Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240058-BLK1)

Prepared: 09/28/22 Analyzed: 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)

Prepared: 09/28/22 Analyzed: 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)

Prepared: 09/28/22 Analyzed: 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			



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 3:29:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240044-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.8		50.0		110	50-200			

LCS (2240044-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: <i>n</i> -Nonane	58.0		50.0		116	50-200			

Matrix Spike (2240044-MS1)

Source: E209162-11

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	38-132			
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2240044-MSD1)

Source: E209162-11

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132	2.86	20	
Surrogate: <i>n</i> -Nonane	54.2		50.0		108	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240070-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240070-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240070-BSD1)					Prepared: 09/28/22 Analyzed: 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 Information

Chain of Custody

Page 5 of 10

Client: Pima Environmental Services Project: Cottonwood Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab WO# E2091102 Job Number 00580007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX					TAT 1D 2D 3D X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	BGDOC	TX	Remarks					
11:20	9/24/22	S	1	CS41	1								X							
11:25				CS42	2															
11:30				CS43	3															
11:35				CS44	4															
11:40				CS45	5															
11:45				CS46	6															
11:50				CS47	7															
11:55				CS48	8															
12:00				CS49	9															
12:05				CS50	10															
Additional Instructions: <u>Billing # 21004052</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:30</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:30</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:30</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>3:00</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>3:00</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>3:00</u>																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished on Ice: <u>(Y) N</u>																				
T1 T2 T3																				
AVG Temp °C <u>4</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 6 of 10

Client: Pima Environmental Services Project: Cotton Draw Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab Work# E2091102 Job Number 0058000 TX Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X			Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	BGDOC	TX	Remarks				
12:10	9/26/22	S	1	CS 51	11								X						
12:15				CS 52	12														
12:20				CS 53	13														
12:25				CS 54	14														
12:30				CS 55	15														
12:35				CS 56	16														
12:40				CS 57	17														
12:45				CS 58	18														
12:50				CS 59	19														
12:55				CS 60	20														
Additional Instructions: Billing# 21004052																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <i>[Signature]</i> Date 9/27/22 Time 2:30					Received by: (Signature) <i>[Signature]</i> Date 9/27/22 Time 2:00					Lab Use Only Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N									
Relinquished by: (Signature) <i>[Signature]</i> Date 9/27/22 Time 1:16					Received by: (Signature) <i>[Signature]</i> Date 9/28/22 Time 10:00					T1 T2 T3 AVG Temp °C 4									
Relinquished by: (Signature) <i>[Signature]</i> Date					Received by: (Signature) <i>[Signature]</i> Date					Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

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

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:	E209162
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:28	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Cotton Draw 237 has been split into multiple workorders/reports due to sample volume. WO# are as follows:
E209160/ E209161/ E209162/ E209163/
E209164

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



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

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Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS61	6
CS62	7
CS63	8
CS64	9
CS65	10
CS66	11
CS67	12
CS68	13
CS69	14
CS70	15
CS71	16
CS72	17
CS73	18
CS74	19
CS75	20
CS76	21
CS77	22
CS78	23
CS79	24
CS80	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS61

E209163-01

Analyte	Result	Reporting Limit	Dilution	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	97.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	97.8 %	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	97.2 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	97.8 %	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	120 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS62

E209163-02

Analyte	Result	Reporting Limit	Dilution	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: 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	108 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS63

E209163-03

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS64

E209163-04

Analyte	Result	Reporting Limit	Dilution	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	98.7 %	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	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS65

E209163-05

Analyte	Result	Reporting Limit	Dilution	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	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		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	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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS66

E209163-06

Analyte	Result	Reporting Limit	Dilution	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	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	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: 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	101 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS67

E209163-07

Analyte	Result	Reporting Limit	Dilution	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	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		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		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		Analyst: KL		Batch: 2240071
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS68

E209163-08

Analyte	Result	Reporting Limit	Dilution	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	96.3 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS69

E209163-09

Analyte	Result	Reporting Limit	Dilution	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	98.1 %	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: IY		Batch: 2240059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: 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	113 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS70

E209163-10

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS71

E209163-11

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS72

E209163-12

Analyte	Result	Reporting Limit	Dilution	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	96.4 %	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		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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS73

E209163-13

Analyte	Result	Reporting Limit	Dilution	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	97.1 %	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		Analyst: IY		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: 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
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS74

E209163-14

Analyte	Result	Reporting Limit	Dilution	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	98.6 %	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		Analyst: IY		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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS75

E209163-15

Analyte	Result	Reporting Limit	Dilution	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	97.2 %	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: 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: 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: KL		Batch: 2240071
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS76

E209163-16

Analyte	Result	Reporting Limit	Dilution	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	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		Analyst: IY		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		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		Analyst: KL		Batch: 2240071
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS77

E209163-17

Analyte	Result	Reporting Limit	Dilution	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
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS78

E209163-18

Analyte	Result	Reporting Limit	Dilution	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	97.1 %	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: IY		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	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: 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	107 %	50-200		09/27/22	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS79

E209163-19

Analyte	Result	Reporting Limit	Dilution	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	96.1 %	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	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	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	Analyst: KL		Batch: 2240071	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:17:45PM

CS80

E209163-20

Analyte	Result	Reporting Limit	Dilution	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	96.2 %	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	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	
Chloride	ND	20.0	1	09/28/22	09/29/22	



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	9/30/2022 4:17:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240059-BLK1)

Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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			



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	9/30/2022 4:17:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240059-BLK1)

Prepared: 09/28/22 Analyzed: 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 Analyzed: 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 Analyzed: 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			



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	9/30/2022 4:17:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240045-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	59.6		50.0		119	50-200			

LCS (2240045-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			

Matrix Spike (2240045-MS1)

Source: E209163-16

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	50-200			

Matrix Spike Dup (2240045-MSD1)

Source: E209163-16

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	0.848	20	
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

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
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Blank (2240071-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240071-BS1)					Prepared: 09/28/22 Analyzed: 09/29/22				
Chloride	266	20.0	250		107	90-110			
LCS Dup (2240071-BSD1)					Prepared: 09/28/22 Analyzed: 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

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 16:17

- 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 Custody

Page 7 of 10

Client: Pima Environmental Services Project: Cotton Draw Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Attention: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab WO# E2091103 Job Number 106580007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BDOC TX					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA																
Time Sampled 1:00 1:05 1:10 1:15 1:20 1:25 1:30 1:35 1:40 1:45					Date Sampled 9/26/22					Matrix S					No. of Containers 1					Sample ID CS 61 CS 62 CS 63 CS 64 CS 65 CS 66 CS 67 CS 68 CS 69 CS 70					Lab Number 1 2 3 4 5 6 7 8 9 10					Remarks				
Additional Instructions: Billing # 21004052																																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																			
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>9/27/22</u> Time <u>2:30</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>9-27-22</u> Time <u>3:00</u>					Lab Use Only Received on ice: <u>(Y)</u> N														
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>9-27-22</u> Time <u>4:14</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>9/28/22</u> Time <u>1000</u>					T1 T2 T3 AVG Temp °C <u>4</u>														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																		

Project Information

Client: Pima Environmental Services
Project: *Leban Brown Unit 237*
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip: Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Attention: *Devon Energy*
Address:
City, State, Zip
Phone:
Email:
Pima Project # 132

Lab WO#	E2091103
Job Number	10050007X
Analysis and Method	
Lab Use Only	
DNO/ORO by 8015	
GNO/DRO by 8015	
BTEX by 8021	
VOC by 8260	
Metals 6010	
Chloride 300.0	
BDOC NM	X
BDOC TX	
Remarks	
State	NM CO UT AZ TX
EPA Program	CWA SDWA

Time	Date	Matrix	No. of Containers	Sample ID	Lab Number	DNO/ORO by 8015	GNO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
1:50	9/24/22	S	1	CS 71	11							X		
1:55				CS 72	12									
2:00				CS 73	13									
2:05				CS 74	14									
2:10				CS 75	15									
2:15				CS 76	16									
2:20				CS 77	17									
2:25				CS 78	18									
2:30				CS 79	19									
2:35				CS 80	20									

Additional Instructions: *Billing # 21004052*

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

Received by: (Signature)	Date	Time
<i>[Signature]</i>	9/27/22	2:30
Received by: (Signature)	Date	Time
<i>[Signature]</i>	9/27/22	4:11
Received by: (Signature)	Date	Time
<i>[Signature]</i>	9/28/22	1:00

Container Type: R - glass, P - poly/plastic, ag - amber glass, V - VOA
AVG Temp °C: *4*
T1: *13*
T2: *12*
T3: *13*
Lab Use Only: *Y N*
Received on ice: *Y N*

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



Chain of Custody

Envirotech Analytical Laboratory

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

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:	E209163
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:31	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Cotton Draw 237 has been split into multiple workorders/reports due to sample volume. WO# are as follows:
E209160/ E209161/ E209162/ E209163/
E209164

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
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labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CSW1	6
CSW2	7
CSW3	8
CSW4	9
CSW5	10
CSW6	11
CSW7	12
CSW8	13
CSW9	14
CSW10	15
CSW11	16
CSW12	17
CSW13	18
CSW14	19
CSW15	20
CSW16	21
CSW17	22
CSW18	23
CSW19	24
CSW20	25

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 237	Reported:
PO Box 247	Project Number:	01058-0007	
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.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW1

E209164-01

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.7 %	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	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2240072	
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW2

E209164-02

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.4 %	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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW3

E209164-03

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.8 %	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	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW4

E209164-04

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	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	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW5

E209164-05

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.7 %	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	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW6

E209164-06

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.2 %	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	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	09/28/22	09/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW7

E209164-07

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.2 %	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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW8

E209164-08

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.2 %	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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW9

E209164-09

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW10

E209164-10

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW11

E209164-11

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.8 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW12

E209164-12

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	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	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW13

E209164-13

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.8 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW14

E209164-14

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	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	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW15

E209164-15

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.4 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW16

E209164-16

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW17

E209164-17

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	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	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW18

E209164-18

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW19

E209164-19

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Cotton Draw 237
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/30/2022 4:20:11PM

CSW20

E209164-20

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	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	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240072
Chloride	ND	20.0	1	09/28/22	09/29/22	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240060-BLK1)

Prepared: 09/28/22 Analyzed: 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: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

LCS (2240060-BS1)

Prepared: 09/28/22 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			
p,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: 09/28/22 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	
p,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	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	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	9/30/2022 4:20:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240060-BLK1)

Prepared: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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: 09/28/22 Analyzed: 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			



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	9/30/2022 4:20:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240047-BLK1)

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	58.5		50.0		117	50-200			

LCS (2240047-BS1)

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	234	25.0	250		93.4	38-132			
Surrogate: <i>n</i> -Nonane	57.9		50.0		116	50-200			

Matrix Spike (2240047-MS1)

Source: E209164-08

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132			
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2240047-MSD1)

Source: E209164-08

Prepared: 09/28/22 Analyzed: 09/29/22

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	1.54	20	
Surrogate: <i>n</i> -Nonane	56.4		50.0		113	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

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
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Blank (2240072-BLK1)					Prepared: 09/28/22 Analyzed: 09/29/22				
Chloride	ND	20.0							
LCS (2240072-BS1)					Prepared: 09/28/22 Analyzed: 09/29/22				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2240072-BSD1)					Prepared: 09/28/22 Analyzed: 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.



Project Information

Chain of Custody

Page 9 of 10

Client: Pima Environmental Services Project: Cotton Draw Unit 237 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 132					Lab Use Only Lab WO# E2891104 Job Number 01580007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM TX					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
State NM CO UT AZ TX X					Remarks														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
2:40	9/26/22	S	1	CSW1	11														
2:45			1	CSW2	12														
2:50				CSW3	13														
2:55				CSW4	14														
3:00				CSW5	15														
3:05				CSW6	16														
3:10				CSW7	17														
3:15				CSW8	18														
3:20				CSW9	19														
3:25				CSW10	20														
Additional Instructions: Billing # 21004052																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <i>Scott Henson</i> Date 9/27/22 Time 2:30					Received by: (Signature) <i>Scott Henson</i> Date 9/28/22 Time 10:00					Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 4									
Relinquished by: (Signature) Date Time					Received by: (Signature) Date Time					Relinquished by: (Signature) Date Time									
Relinquished by: (Signature) Date Time					Received by: (Signature) Date Time					Relinquished by: (Signature) Date Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 10 of 10

Client: Pima Environmental Services Project: <u>Cotton Drive Unit 237</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>132</u>					Lab Use Only Lab WO# <u>E2091104</u> Job Number <u>10058007</u> Analysis and Method DRO/ORO by 8015 GRO/ORO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX						TAT 1D 2D 3D X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks															
3:30	9/26/22	S	1	CSW11	1	X															
3:35				CSW12	2																
3:40				CSW13	3																
3:45				CSW14	4																
3:50				CSW15	5																
3:55				CSW16	6																
4:00				CSW17	7																
4:05				CSW18	8																
4:10				CSW19	9																
4:15				CSW20	10																
Additional Instructions: <u>Billing # 21004052</u>																					
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.																					
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>2:30</u> Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>3:00</u>																					
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>1000</u> Received by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>1000</u>																					
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>1000</u> Received by: (Signature) <u>[Signature]</u> Date <u>9/28/22</u> Time <u>1000</u>																					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					


envirotech

Envirotech Analytical Laboratory

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

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:	E209164
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:34	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	09/29/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Cotton Draw 237 has been split into multiple workorders/reports due to sample volume. WO# are as follows:
E209160/ E209161/ E209162/ E209163/
E209164

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 169210

CONDITIONS

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

CONDITIONS

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