

Incident ID	NAB1819452446
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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

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

Printed Name: Dale WoodallTitle: EHS ProfessionalSignature: Dale Woodall Date: 3/20/2023email: dale.woodall@dnv.comTelephone: 575-748-1838**OCD Only**Received by: Jocelyn HarimonDate: 03/20/2023

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## Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/20/2023

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

### OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

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

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

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



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

March 10<sup>th</sup>, 2023

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

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

**Re: Site Assessment, Remediation, and Closure Report**  
**Lusitano 27 34 Federal Com 528H**  
**API No. 30-015-44426**  
**GPS: Latitude 32.107400 Longitude -103.758753**  
**UL -- A, Sec. 27, T25S, R31E**  
**Lea County, NM**  
**NMOCD Ref. No. NAB1819452446**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a water-based mud release that occurred at the Lusitano 27 34 Federal Com 528H (Lusitano). The initial C-141 was submitted on July 12<sup>th</sup>, 2018 (Appendix C). This incident was assigned Incident ID NAB1819452446 by the New Mexico Oil Conservation Division (NMOCD).

### Site Characterization

The Lusitano is located approximately twenty-one (21) miles southeast of Malaga, NM. This spill site is in Unit A, Section 27, Township 25S, Range 31E, Latitude 32.107400 Longitude -103.758753, Eddy County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 390 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 289 feet BGS. The closest waterway is the Red Bluff Reservoir, located approximately 13.92 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	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**

**NAB1819452446:** On June 27<sup>th</sup>, 2018, while circulating gas out of the well bore using the super choke, the possum belly started bubbling over. Approximately 6 barrels of water-based mud was released on the well pad surface. Utilizing a vacuum truck and squeegees approximately 5 barrels of water-based mud was recovered. All fluid stayed on the well pad.

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

On February 18<sup>th</sup>, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the areas surrounding the well head and collected a total of twenty three soil samples for laboratory analysis. Six bottom samples (S1-S6) were collected at depths of 1, 3 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. One background sample was collected to obtain a representation of naturally occurring chlorides surrounding the Lusitano. An initial site map can be found in Figure 4.

## 2-28-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')										
DEVON ENERGY - Lusitano 27 34 Federal Com 528H										
NM Approved Laboratory Results										
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	
S-1	2/28/2023	1'	ND	ND	ND	ND	ND	ND	620	
		3'	ND	ND	ND	ND	ND	ND	753	
		4'	ND	ND	ND	ND	ND	ND	ND	
S-2		1'	ND	ND	ND	ND	ND	ND	542	
		3'	ND	ND	ND	ND	ND	ND	457	
		4'	ND	ND	ND	ND	ND	ND	ND	
S-3		1'	ND	ND	ND	ND	ND	ND	495	
		3'	ND	ND	ND	ND	ND	ND	812	
		4'	ND	ND	ND	ND	ND	ND	ND	
S-4		1'	ND	ND	ND	ND	ND	ND	525	
		3'	ND	ND	ND	ND	ND	ND	799	
		4'	ND	ND	ND	ND	ND	ND	ND	
S-5		1'	ND	ND	ND	ND	ND	ND	537	
		3'	ND	ND	ND	ND	ND	ND	542	
		4'	ND	ND	ND	ND	ND	ND	ND	
S-6		1'	ND	ND	ND	ND	ND	ND	388	
		3'	ND	ND	ND	ND	ND	ND	787	
		4'	ND	ND	ND	ND	ND	ND	ND	
SW 1			6"	ND	ND	ND	ND	ND	ND	ND
SW 2			6"	ND	ND	ND	ND	ND	ND	ND
SW 3			6"	ND	ND	ND	ND	ND	ND	ND
SW 4			6"	ND	ND	ND	ND	ND	ND	ND
BG2			6"	ND	ND	ND	ND	ND	ND	ND

ND: Analyte Non-Detect

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

**Closure Request**

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

After careful review, Pima requests that this incident, NAB1819452446 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

*Sebastian Orozco*

Sebastian Orozco  
Environmental Professional  
Pima Environment Services, LLC

**Attachments**

Figures:

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

Appendices:

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



Pima Environmental Services

**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map



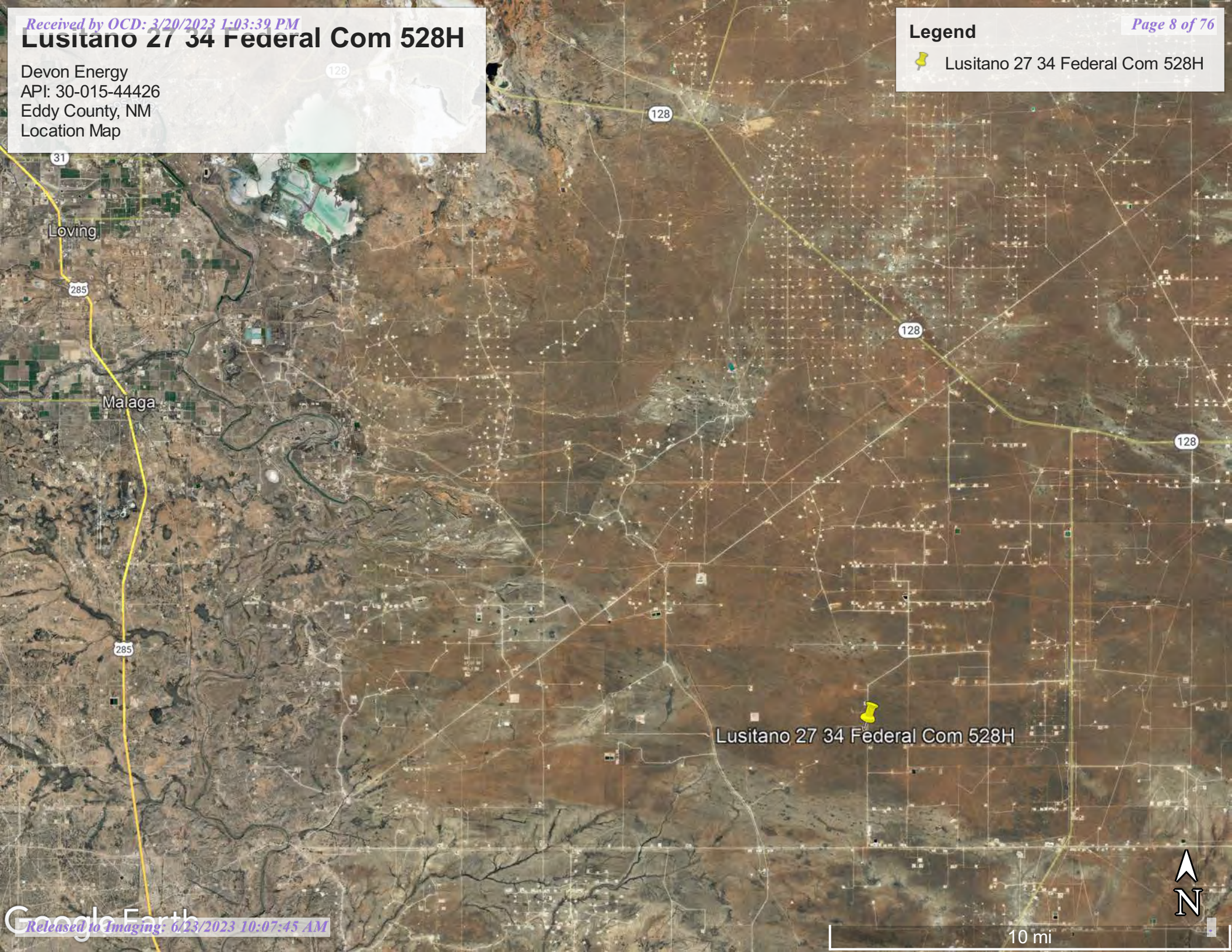
# Lusitano 27 34 Federal Com 528H

Devon Energy  
API: 30-015-44426  
Eddy County, NM  
Location Map

## Legend



Lusitano 27 34 Federal Com 528H





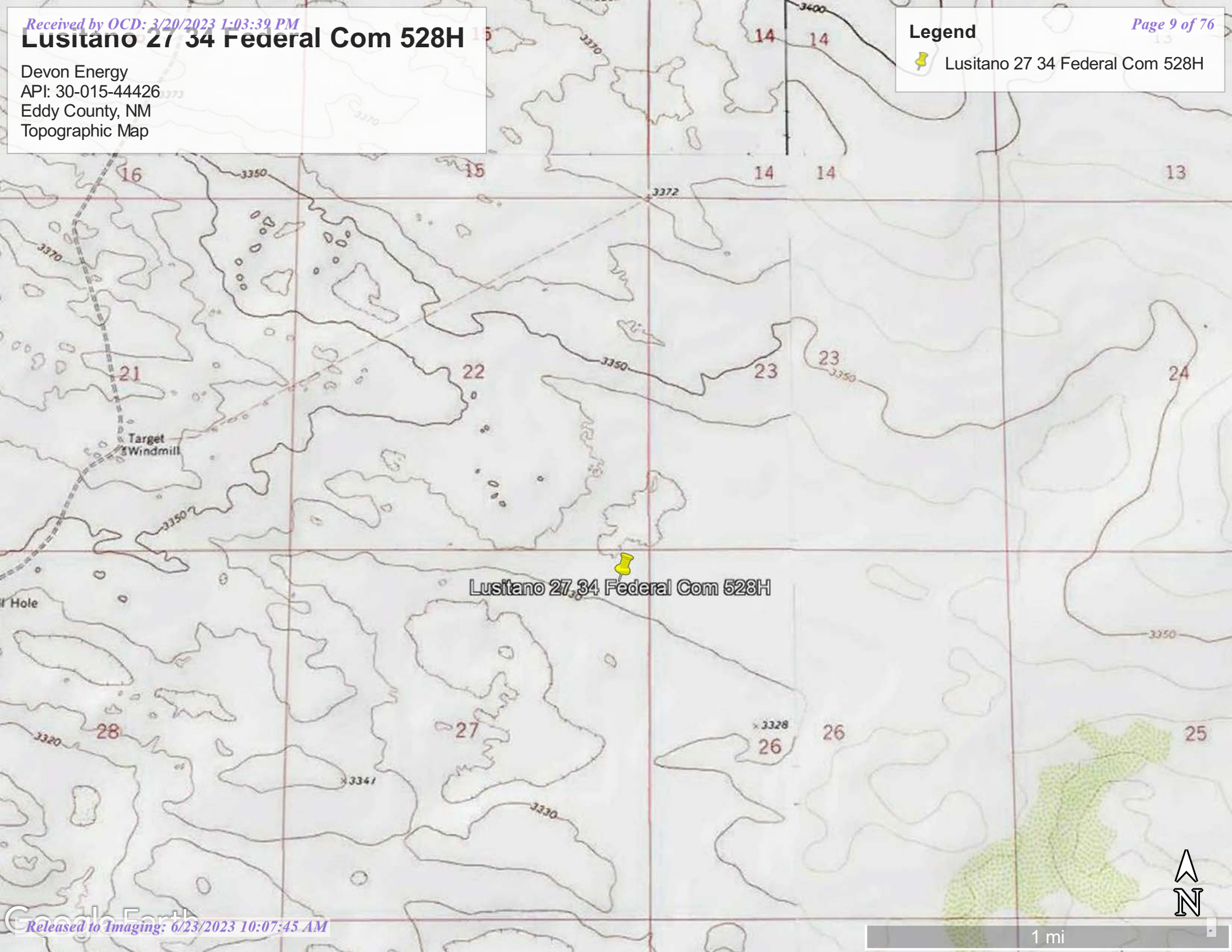
# Lusitano 27 34 Federal Com 528H

Devon Energy  
API: 30-015-44426  
Eddy County, NM  
Topographic Map

## Legend



Lusitano 27 34 Federal Com 528H







Lusitano 27 34 Federal Com 528H

# Lusitano 27 34 Federal Com 528H

Devon Energy  
API: 30-015-44426  
Eddy County, NM  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Lusitano 27 34 Federal Com 528H
-  Medium Karst

  
Lusitano 27 34 Federal Com 528H








# Lusitano 27-34 Fed Com 528H

Devon Energy  
NAB1819452446  
API:30-015-44426  
Eddy County, NM  
Site Map

## Legend

-  LUSITANO 27 34 FEDERAL COM #528H
-  Release Area
-  Soil Sample

LUSITANO 27 34 FEDERAL COM #528H



SW1



S1

S2

S3

SW4

SW2

S4

CS5

CS6

SW3



100 ft



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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec 27	Tws 25S	Rng 31E	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 04619 POD1</a>		CUB	ED	2	1	2	27	25S	31E	616750	3552958	364	55		
<a href="#">C 02250</a>		CUB	ED	3	1	4	21	25S	31E	614912	3553620*	2280	400	390	10
<a href="#">C 04500 POD1</a>		CUB	ED	4	4	1	28	25S	31E	614620	3552380	2569			
<a href="#">C 04618 POD1</a>		CUB	LE	3	4	3	18	25S	32E	621041	3554886	4353	55		
<a href="#">C 04637 POD1</a>		CUB	ED	4	4	3	02	26S	31E	618068	3548423	4689	51		
<a href="#">C 03639 POD1</a>		CUB	ED	3	4	2	01	26S	31E	620168	3549279	4826	700	365	335
<a href="#">C 04632 POD1</a>		CUB	ED	1	2	2	10	25S	31E	616802	3557964	4959	55		
<a href="#">C 04256 POD1</a>		C	ED	4	4	2	01	26S	31E	620384	3549257	4982	666	340	326

Average Depth to Water: **365 feet**

Minimum Depth: **340 feet**

Maximum Depth: **390 feet**

**Record Count:** 8

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

**Easting (X):** 617110.43

**Northing (Y):** 3553013.98

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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


2/11/23 12:01 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 04619 POD1	2	1	2	27	25S	31E	616750	3552958 
x									
Driller License:	1249	Driller Company:				ATKINS ENGINEERING ASSOC. INC.			
Driller Name:	ATKINS, JACKIE D.UELENER								
Drill Start Date:	06/02/2022	Drill Finish Date:				06/02/2022		Plug Date:	06/06/2022
Log File Date:	06/10/2022	PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 0 GPM			
Casing Size:		Depth Well:				55 feet		Depth Water:	
x									
Casing Perforations:				Top	Bottom				
				0	55				
x									

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.

3/9/23 3:35 PM

POINT OF DIVERSION SUMMARY



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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

## Search Results -- 1 sites found

site\_no list =

- 320424103415401

Minimum number of levels = 1

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

## USGS 320424103415401 26S.31E.01.421322

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

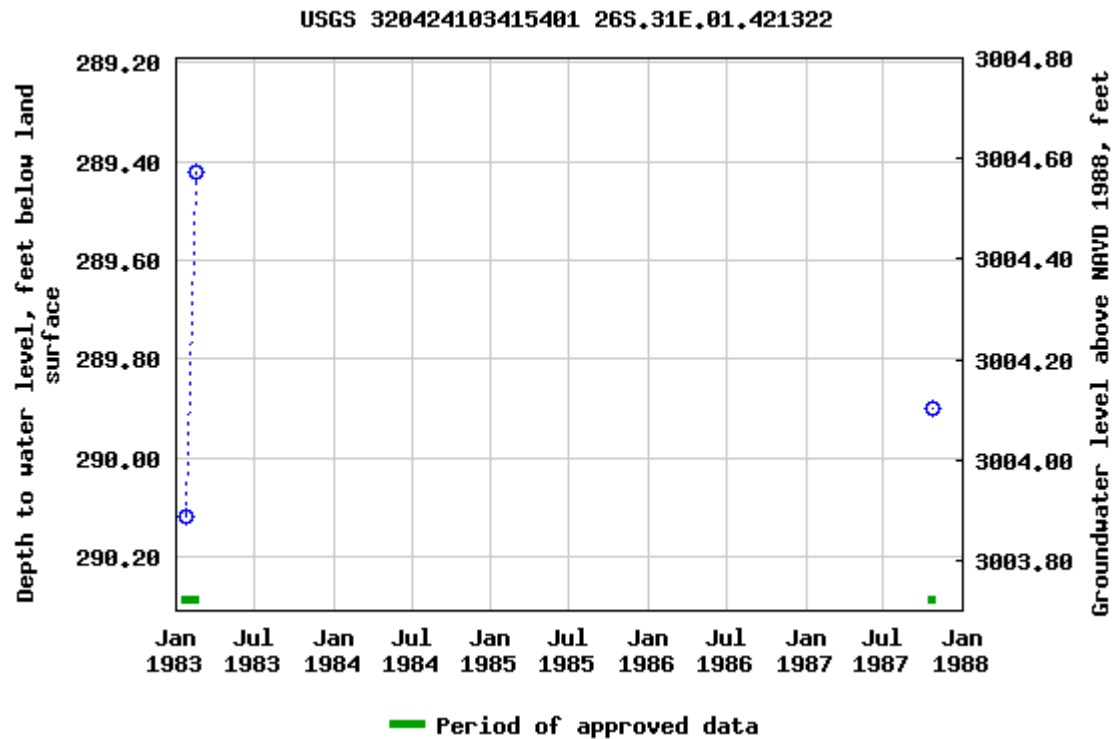
Latitude 32°04'24", Longitude 103°41'54" NAD27

Land-surface elevation 3,294 feet above NAVD88

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

## Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

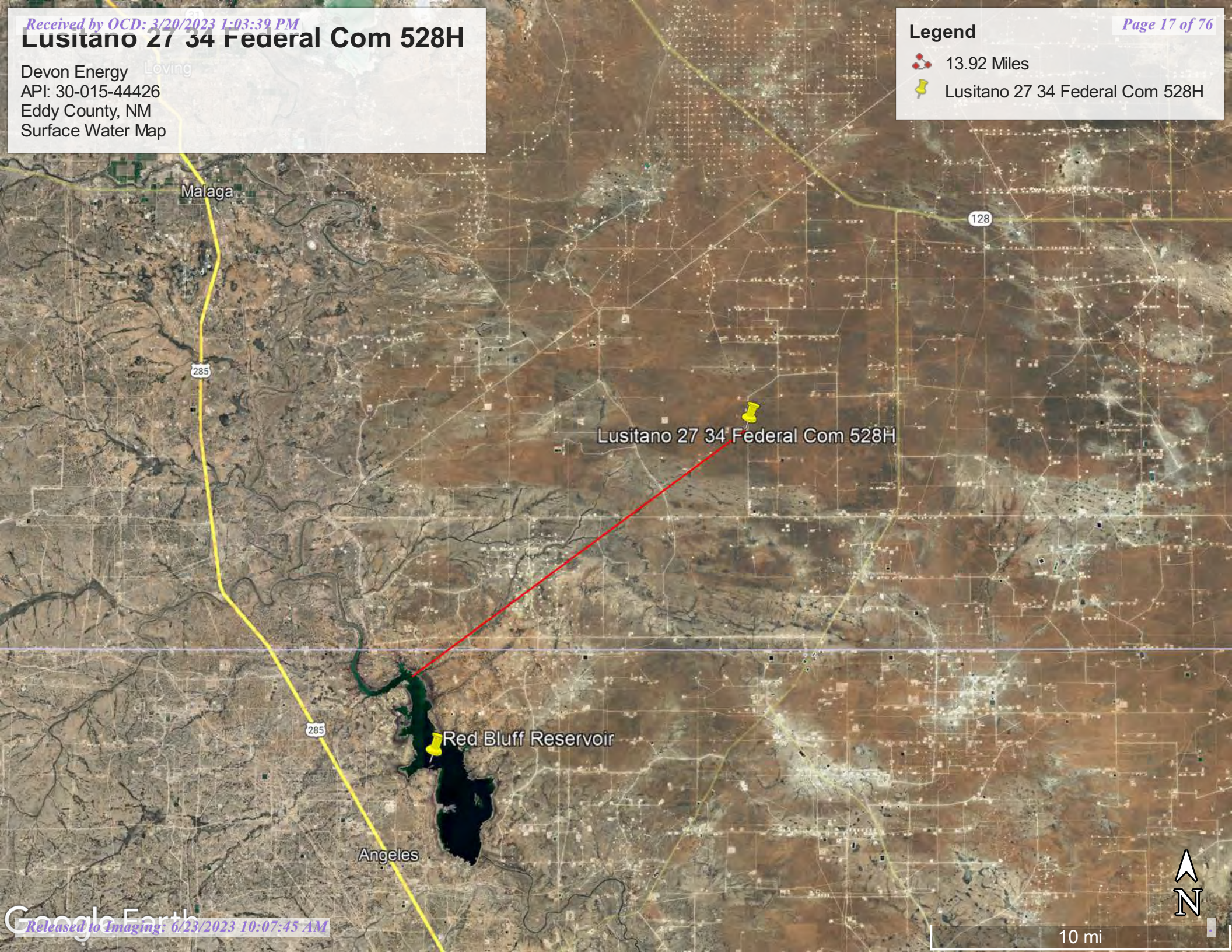


# Lusitano 27 34 Federal Com 528H

Devon Energy  
API: 30-015-44426  
Eddy County, NM  
Surface Water Map

## Legend

- 13.92 Miles
- Lusitano 27 34 Federal Com 528H







Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

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## Eddy Area, New Mexico

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

#### Map Unit Setting

*National map unit symbol:* 1w43

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

*Mean annual precipitation:* 5 to 15 inches

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

*Frost-free period:* 180 to 260 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 60 percent

*Pajarito and similar soils:* 25 percent

*Minor components:* 15 percent

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

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Convex

*Across-slope shape:* Linear

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

##### Typical profile

*H1 - 0 to 17 inches:* fine sand

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

*H3 - 58 to 60 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

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

*Sodium adsorption ratio, maximum:* 1.0

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

##### Interpretive groups

*Land capability classification (irrigated):* None specified

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

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

### **Description of Pajarito**

#### **Setting**

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

#### **Typical profile**

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

#### **Properties and qualities**

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

#### **Interpretive groups**

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

### **Minor Components**

#### **Pajarito**

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

#### **Wink**

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

#### **Cacique**

*Percent of map unit: 4 percent*



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

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*Ecological site:* R070BD004NM - Sandy

*Hydric soil rating:* No

**Kermit**

*Percent of map unit:* 3 percent

*Ecological site:* R070BD005NM - Deep Sand

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022



# National Flood Hazard Layer FIRMMette



103°45'50"W 32°6'42"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

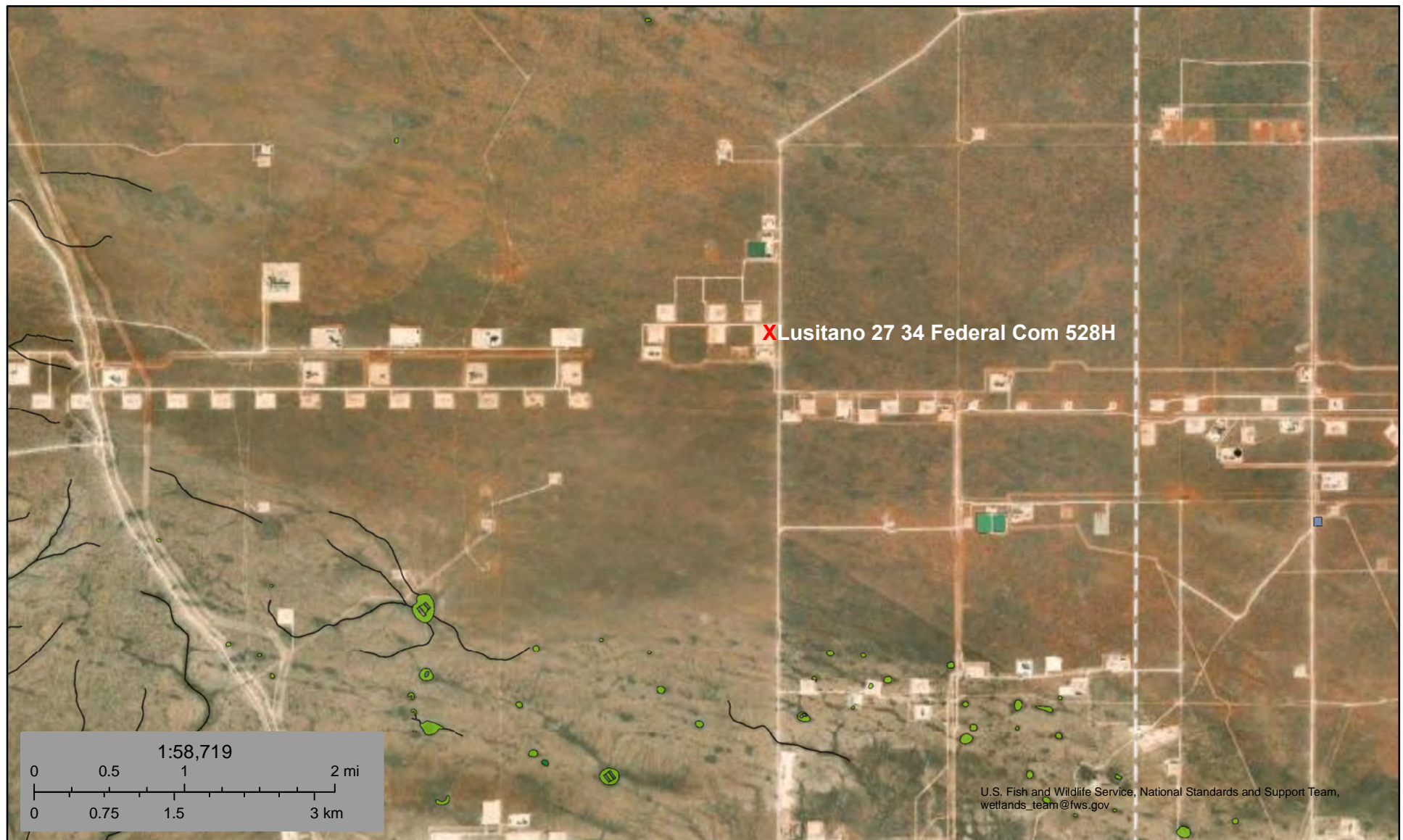
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/11/2023 at 2:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





## Wetlands Map



February 11, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification



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

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

Form C-141  
Revised April 3, 2017

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

### Release Notification and Corrective Action

**NAB1819452446**

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Devon Energy Production Company <i>6137</i>	Contact	Luke Lundgren, Drilling Supervisor
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-748-3371
Facility Name	Lusitano 27 34 Federal Com 528H	Facility Type	Oil

Surface Owner	Federal	Mineral Owner	Federal	API No.	30-015-44426
---------------	---------	---------------	---------	---------	--------------

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	27	25S	31E					Eddy

Latitude\_32.107400\_ Longitude\_-103.758753\_ NAD83

#### NATURE OF RELEASE

Type of Release	Water Based Mud	Volume of Release	6 bbls	Volume Recovered	5 bbls
Source of Release	Possum belly	Date and Hour of Occurrence	06/27/18 @ 2:00 AM MST	Date and Hour of Discovery	06/27/18 @ 2:00 AM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	N/A		
By Whom?	N/A	Date and Hour	N/A		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	N/A		

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

Describe Cause of Problem and Remedial Action Taken.\*  
While circulating gas out of the well bore using the super choke the possum belly started bubbling over.

Describe Area Affected and Cleanup Action Taken.\*  
Approximately 6 bbls of water based mud was released to the well pad surface. Clean up of the release commenced immediately through the use of squeegees and a vacuum truck. Approximately 5 bbls of water based mud was recovered. All fluid stayed on the well pad. An environmental contractor will be contacted to assist with further delineation and remediation.

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

Signature: <i>Michael Shoemaker</i>		OIL CONSERVATION DIVISION Signed By: <i>[Signature]</i> Approved by Environmental Specialist:	
Printed Name: Michael Shoemaker			
Title: Environmental Professional	Approval Date: <i>7/13/18</i>	Expiration Date: <i>NIA</i>	
E-mail Address: mike.shoemaker@divn.com	Conditions of Approval: <i>See attached</i>		Attached: <i>APP-4858</i>
Date: 07/11/18	Phone: 575.748.3371		

\* Attach Additional Sheets If Necessary





Incident ID	NAB1819452446
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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Incident ID	NAB1819452446
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 WoodallTitle: EHS ProfessionalSignature: Dale Woodall Date: 3/20/2023email: dale.woodall@dm.comTelephone: 575-748-1838**OCD Only**

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

Incident ID	NAB1819452446
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: 3/20/2023

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

### OCD Only

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

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

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

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





Pima Environmental Services

## **Appendix D**

Photographic Documentation



## A wide-angle photograph of a vast, flat, arid landscape under a clear blue sky. The foreground is covered in dry, yellowish-brown grass and soil. In the distance, several small, dark structures or vehicles are visible on the horizon.





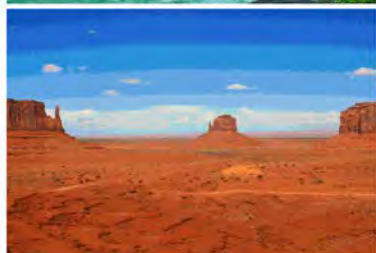


Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lustiano 27 34 Fed Com 528 H

Work Order: E303006

Job Number: 01058-0007

Received: 3/2/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/8/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 3/8/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Lustiano 27 34 Fed Com 528 H  
Workorder: E303006  
Date Received: 3/2/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/2/2023 7:15:00AM, under the Project Name: Lustiano 27 34 Fed Com 528 H.

The analytical test results summarized in this report with the Project Name: Lustiano 27 34 Fed Com 528 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

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

Field Offices:

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

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

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



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/08/23 15:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E303006-01A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S1 - 3'	E303006-02A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S1 - 4'	E303006-03A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S2 - 1'	E303006-04A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S2 - 3'	E303006-05A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S2 - 4'	E303006-06A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S3 - 1'	E303006-07A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S3 - 3'	E303006-08A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S3 - 4'	E303006-09A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S4 - 1'	E303006-10A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S4 - 3'	E303006-11A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S4 - 4'	E303006-12A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S5 - 1'	E303006-13A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S5 - 3'	E303006-14A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S5 - 4'	E303006-15A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S6 - 1'	E303006-16A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S6 - 3'	E303006-17A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
S6 - 4'	E303006-18A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
SW1	E303006-19A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
SW2	E303006-20A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
SW3	E303006-21A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
SW4	E303006-22A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
SW5	E303006-23A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.
BG2	E303006-24A	Soil	02/28/23	03/02/23	Glass Jar, 2 oz.





## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Lustiano 27 34 Fed Com 528 H Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/8/2023 3:23:50PM
---	--	--

S1 - 1'

E303006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	103 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	103 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	620	20.0	1	03/02/23	03/03/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S1 - 3'

E303006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	104 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	753	20.0	1	03/02/23	03/03/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S1 - 4'

E303006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	91.3 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	91.3 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	99.5 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/03/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S2 - 1'

E303006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	88.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	88.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	103 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	542	20.0	1	03/02/23	03/03/23	





## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S2 - 3'

E303006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	101 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	457	20.0	1	03/02/23	03/03/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S2 - 4'

E303006-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	103 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/03/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S3 - 1'

E303006-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	103 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	495	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S3 - 3'

E303006-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	103 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	812	20.0	1	03/02/23	03/04/23	





## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S3 - 4'

E303006-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	108 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S4 - 1'

E303006-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	103 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	103 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	109 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	525	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S4 - 3'

E303006-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2309043	
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2309043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2309059	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2309046	
Chloride	799	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S4 - 4'

E303006-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	





## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S5 - 1'

E303006-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.9 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	89.9 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	537	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S5 - 3'

E303006-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	109 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	542	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S5 - 4'

E303006-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	88.5 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	88.5 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S6 - 1'

E303006-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	111 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	388	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S6 - 3'

E303006-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	87.9 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	87.9 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/08/23	
Surrogate: n-Nonane	108 %	50-200		03/03/23	03/08/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	787	20.0	1	03/02/23	03/04/23	





## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

S6 - 4'

E303006-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	88.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	88.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	105 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## SW1

## E303006-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	101 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	107 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## SW2

## E303006-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Benzene	ND	0.0250	1	03/02/23	03/04/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/04/23	
Toluene	ND	0.0250	1	03/02/23	03/04/23	
o-Xylene	ND	0.0250	1	03/02/23	03/04/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/04/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	87.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2309043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/04/23	
Surrogate: Bromofluorobenzene	87.7 %	70-130		03/02/23	03/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		03/02/23	03/04/23	
Surrogate: Toluene-d8	102 %	70-130		03/02/23	03/04/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309059
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	106 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309046
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## SW3

## E303006-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Benzene	ND	0.0250	1	03/02/23	03/03/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/03/23	
Toluene	ND	0.0250	1	03/02/23	03/03/23	
o-Xylene	ND	0.0250	1	03/02/23	03/03/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/03/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	104 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	104 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	99.7 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309050
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## SW4

## E303006-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Benzene	ND	0.0250	1	03/02/23	03/03/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/03/23	
Toluene	ND	0.0250	1	03/02/23	03/03/23	
o-Xylene	ND	0.0250	1	03/02/23	03/03/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/03/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	93.7 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	93.7 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2309063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/08/23	
Surrogate: n-Nonane	109 %	50-200		03/03/23	03/08/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309050
Chloride	ND	20.0	1	03/02/23	03/04/23	





## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## SW5

## E303006-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Benzene	ND	0.0250	1	03/02/23	03/03/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/03/23	
Toluene	ND	0.0250	1	03/02/23	03/03/23	
o-Xylene	ND	0.0250	1	03/02/23	03/03/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/03/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	90.6 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	103 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309050
Chloride	ND	20.0	1	03/02/23	03/04/23	



## Sample Data

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

Project Name: Lustiano 27 34 Fed Com 528 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
3/8/2023 3:23:50PM

## BG2

## E303006-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Benzene	ND	0.0250	1	03/02/23	03/03/23	
Ethylbenzene	ND	0.0250	1	03/02/23	03/03/23	
Toluene	ND	0.0250	1	03/02/23	03/03/23	
o-Xylene	ND	0.0250	1	03/02/23	03/03/23	
p,m-Xylene	ND	0.0500	1	03/02/23	03/03/23	
Total Xylenes	ND	0.0250	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2309041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/23	03/03/23	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/02/23	03/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/02/23	03/03/23	
Surrogate: Toluene-d8	106 %	70-130		03/02/23	03/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2309063
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/23	03/06/23	
Surrogate: n-Nonane	104 %	50-200		03/03/23	03/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2309050
Chloride	ND	20.0	1	03/02/23	03/04/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

## 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 (2309041-BLK1)

Prepared: 03/02/23 Analyzed: 03/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

## LCS (2309041-BS1)

Prepared: 03/02/23 Analyzed: 03/02/23

Benzene	2.17	0.0250	2.50		86.9	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.7	70-130			
Toluene	2.26	0.0250	2.50		90.2	70-130			
o-Xylene	2.38	0.0250	2.50		95.3	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.09	0.0250	7.50		94.5	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike (2309041-MS1)

Source: E303004-21

Prepared: 03/02/23 Analyzed: 03/02/23

Benzene	2.13	0.0250	2.50	ND	85.2	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135			
Toluene	2.24	0.0250	2.50	ND	89.5	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135			
Total Xylenes	7.02	0.0250	7.50	ND	93.6	43-135			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## Matrix Spike Dup (2309041-MSD1)

Source: E303004-21

Prepared: 03/02/23 Analyzed: 03/02/23

Benzene	2.18	0.0250	2.50	ND	87.2	48-131	2.27	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.0	45-135	0.626	27	
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	1.77	24	
o-Xylene	2.40	0.0250	2.50	ND	96.2	43-135	1.49	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.5	43-135	1.56	27	
Total Xylenes	7.13	0.0250	7.50	ND	95.0	43-135	1.53	27	
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

## 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 (2309043-BLK1)

Prepared: 03/02/23 Analyzed: 03/04/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.456		0.500		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

## LCS (2309043-BS1)

Prepared: 03/02/23 Analyzed: 03/04/23

Benzene	2.63	0.0250	2.50		105	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.64	0.0250	2.50		105	70-130			
o-Xylene	2.72	0.0250	2.50		109	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.95	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.455		0.500		91.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

## Matrix Spike (2309043-MS1)

Source: E303006-01

Prepared: 03/02/23 Analyzed: 03/04/23

Benzene	2.66	0.0250	2.50	ND	107	48-131			
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135			
Toluene	2.70	0.0250	2.50	ND	108	48-130			
o-Xylene	2.77	0.0250	2.50	ND	111	43-135			
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.464		0.500		92.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## Matrix Spike Dup (2309043-MSD1)

Source: E303006-01

Prepared: 03/02/23 Analyzed: 03/04/23

Benzene	2.68	0.0250	2.50	ND	107	48-131	0.617	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	1.06	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	0.425	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	0.935	27	
p,m-Xylene	5.38	0.0500	5.00	ND	108	43-135	0.812	27	
Total Xylenes	8.17	0.0250	7.50	ND	109	43-135	0.854	27	
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

## 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 (2309041-BLK1)

Prepared: 03/02/23 Analyzed: 03/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

## LCS (2309041-BS2)

Prepared: 03/02/23 Analyzed: 03/02/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.9	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike (2309041-MS2)

Source: E303004-21

Prepared: 03/02/23 Analyzed: 03/02/23

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## Matrix Spike Dup (2309041-MSD2)

Source: E303004-21

Prepared: 03/02/23 Analyzed: 03/02/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.3	70-130	10.4	20	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

## 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 (2309043-BLK1)

Prepared: 03/02/23 Analyzed: 03/04/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.456		0.500		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

## LCS (2309043-BS2)

Prepared: 03/02/23 Analyzed: 03/04/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.456		0.500		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## Matrix Spike (2309043-MS2)

Source: E303006-01

Prepared: 03/02/23 Analyzed: 03/04/23

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130			
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## Matrix Spike Dup (2309043-MSD2)

Source: E303006-01

Prepared: 03/02/23 Analyzed: 03/04/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130	1.09	20	
Surrogate: Bromofluorobenzene	0.454		0.500		90.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2309059-BLK1)

Prepared: 03/03/23 Analyzed: 03/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

## LCS (2309059-BS1)

Prepared: 03/03/23 Analyzed: 03/06/23

Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			

## Matrix Spike (2309059-MS1)

Source: E303006-10

Prepared: 03/03/23 Analyzed: 03/06/23

Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132			
Surrogate: n-Nonane	45.7		50.0		91.3	50-200			

## Matrix Spike Dup (2309059-MSD1)

Source: E303006-10

Prepared: 03/03/23 Analyzed: 03/06/23

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	5.37	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2309063-BLK1)					Prepared: 03/03/23 Analyzed: 03/06/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			

LCS (2309063-BS1)					Prepared: 03/03/23 Analyzed: 03/06/23				
Diesel Range Organics (C10-C28)	236	25.0	250		94.2	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2309063-MS1)					Source: E303005-25		Prepared: 03/03/23 Analyzed: 03/06/23		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike Dup (2309063-MSD1)					Source: E303005-25		Prepared: 03/03/23 Analyzed: 03/06/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	7.51	20	
Surrogate: n-Nonane	50.6		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2309046-BLK1)				Prepared: 03/02/23 Analyzed: 03/03/23					
Chloride	ND	20.0							
LCS (2309046-BS1)				Prepared: 03/02/23 Analyzed: 03/03/23					
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2309046-MS1)				Source: E303006-01		Prepared: 03/02/23 Analyzed: 03/03/23			
Chloride	814	20.0	250	620	77.5	80-120			M2
Matrix Spike Dup (2309046-MSD1)				Source: E303006-01		Prepared: 03/02/23 Analyzed: 03/03/23			
Chloride	864	20.0	250	620	97.4	80-120	5.92	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lustiano 27 34 Fed Com 528 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 3:23:50PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2309050-BLK1)					Prepared: 03/02/23 Analyzed: 03/04/23				
Chloride	ND	20.0							
LCS (2309050-BS1)					Prepared: 03/02/23 Analyzed: 03/04/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2309050-MS1)					Source: E303006-21		Prepared: 03/02/23 Analyzed: 03/04/23		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2309050-MSD1)					Source: E303006-21		Prepared: 03/02/23 Analyzed: 03/04/23		
Chloride	255	20.0	250	ND	102	80-120	0.00197	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:	Lustiano 27 34 Fed Com 528 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/08/23 15:23

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 3

Client: Pima Environmental Services  
 Project: Lustiano 27 34 Fed Com 528 H  
 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:  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Pima Project # 1-237-1

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E 303006</u>	<u>01058-0007</u>				<u>X</u>		
Analysis and Method							
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
						<u>X</u>	
State							
NM	CO	UT	AZ	TX			
<u>X</u>							
Remarks							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
12:30	2/28/23	S	1	S1-1'	1
12:35				S1-3'	2
12:40				S1-4'	3
12:45				S2-1'	4
12:50				S2-3'	5
12:55				S2-4'	6
1:00				S3-1'	7
1:05				S3-3'	8
1:10				S3-4'	9
1:15				S4-1'	10

## Additional Instructions:

Billing #: 21132943

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.

Sampled by: Audriana Benavides

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>AB</u>	Date <u>3-1-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Micelle Cangelosi</u>	Date <u>3-1-23</u>	Time <u>1400</u>
Relinquished by: (Signature) <u>Micelle Cangelosi</u>	Date <u>3-1-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Dr. Ly</u>	Date <u>3-1-23</u>	Time <u>1655</u>
Relinquished by: (Signature) <u>Dr. Ly</u>	Date <u>3-1-23</u>	Time <u>2315</u>	Received by: (Signature) <u>Jene 3-1-23</u>	Date <u>3/2/23</u>	Time <u>7:15</u>

Lab Use Only

Received on ice: Y N

T1 T2 T3

AVG Temp °C 4.0

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 3

Client: Pima Environmental Services  
 Project: Lustiano 2734 Fedcom 528 H  
 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:  
 Address:  
 City, State, Zip  
 Phone:  
 Email:

Pima Project # 1-237-1

## Lab Use Only

Lab WO# E3030006 Job Number 01058-0007

## Analysis and Method

## TAT

1D 2D 3D Standard X

## EPA Program

CWA SDWA

RCRA

## State

NM CO UT AZ TX

## 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 NM	BGDOC TX	Remarks
1:20	2/28/23	S	1	S4-3'	11							X		
1:25				S4-4'	12									
1:30				S5-1'	13									
1:35				S5-3'	14									
1:40				S5-4'	15									
1:45				S6-1'	16									
1:50				S6-3'	17									
1:55				S6-4'	18									
2:00				SW1	19									
2:05				SW2	20									

## Additional Instructions:

Billing #: 21132943

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: Audriana Benavides

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>AB</u>	3-1-23	2:00	<u>Michelle Gentry</u>	3-1-23	1400	Received on ice: <u>Y</u> N
<u>Michelle Gentry</u>	3-1-23	1630	<u>Michelle Gentry</u>	3-1-23	1655	T1 T2 T3
<u>Michelle Gentry</u>	3-1-23	2315	<u>Michelle Gentry</u>	3/2/23	7:15	AVG Temp °C <u>4.0</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - OtherContainer 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: 3/2/2023 1:02:59PM

## 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:	03/02/23 07:15	Work Order ID:	E303006
Phone:	(575) 631-6977	Date Logged In:	03/02/23 10:29	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	03/08/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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: CourierComments/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.

**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 198847

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198847
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Incident closure approved.	6/23/2023
amaxwell	Additional groundwater data can be found in the log of C 04619 POD1. Test well drilled to 55'.	6/23/2023
amaxwell	Release area will be subject to 19.15.29.13 Restoration, Reclamation and Re-Vegetation upon removal of equipment or plug & abandonment activities, which ever comes first.	6/23/2023