

Green Wave 20 CTB 9

OCD INCIDENT #nAPP2329622562

10/20/2023

<b><u>Spill Volume(Bbls) Calculator</u></b>		
<i>Inputs in blue, Outputs in red</i>		
<b>Contaminated Soil measurement</b>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>50</u>	<u>33.000</u>	<u>0.021</u>
Cubic Feet of Soil Impacted		<u>34.650</u>
Barrels of Soil Impacted		<u>6.18</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>0.93</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		0.93
<b>Free Standing Fluid Only</b>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>50</u>	<u>33.000</u>	<u>0.021</u>
Standing fluid		<u>6.163</u>
<b><u>Total fluids spilled</u></b>		<b><u>7.089</u></b>



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

February 27, 2024

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

**Re: Site Assessment, Remediation, and Closure Report**  
**Green Wave 20 CTB 9**  
**API No: N/A**  
**GPS: Latitude 32.02821 Longitude -103.48386**  
**UL - I, 20, T26S, R34E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2329622562**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Assessment, Remediation, and Closure Report for a produced water released that occurred at the Green Wave 20 CTB 9 (Green Wave) The initial C-141 was submitted on October 23, 2023, this incident was assigned incident ID NAPP2329622562 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Green Wave is located approximately eighteen (18) miles Southwest of Jal, NM. This spill site is in Unit I, Section 20, Township 26S, Range 34E, Latitude 32.02821 Longitude -103.48386, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands association according to the United State Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. Karst is a low potential for karst geology to be present around the Green Wave (Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04583-POD1) ,the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 1.27 of a miles away from the Green Wave. Drilled on February 4, 2022. Conversely, as per the United States Geological Survey well water data (USGS320059103333501), the nearest groundwater depth in this region is recorded at 76 feet BGS, situated approximately 4.13 miles away from the Green Wave, with the last gauge conducted in 2000.

**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.

Green Wave 20 CTB 9|Devon Energy

**Release Information**

**NAPP2329622562:** On October 20, 2023, A pinhole developed on the 8H separator water line, causing a fluid to be released on the pad. The released fluids were calculated to be approximately 7.1 barrels (bbls) of produced water. A vacuum truck was able to recover 0.5 bbls of standing fluid.

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

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

11-15-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - GREEN WAVE 20 CTB 9									
NM Approved Laboratory Results									
Sample ID	Date Sampled:	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
S-1	10/23/2023	1'	ND	ND	ND	ND	ND	0	4060
		2'	ND	ND	ND	ND	ND	0	4390
		3'	ND	ND	ND	ND	ND	0	1120
		4'	ND	ND	ND	ND	ND	0	572
S-2	10/23/2023	1'	ND	ND	ND	ND	ND	0	7400
		2'	ND	ND	ND	ND	ND	0	6790
		3'	ND	ND	ND	ND	ND	0	1680
		4'	ND	ND	ND	ND	ND	0	556
S-3	10/23/2023	1'	ND	ND	ND	ND	ND	0	2440
		2'	ND	ND	ND	ND	ND	0	3970
		3'	ND	ND	ND	ND	ND	0	2060
		4'	ND	ND	ND	ND	ND	0	477
S-4	10/23/2023	1'	ND	ND	ND	ND	ND	0	2940
		2'	ND	ND	ND	ND	ND	0	3540
		3'	ND	ND	ND	ND	ND	0	2200
		4'	ND	ND	ND	ND	ND	0	571
S-5	10/23/2023	1'	ND	ND	ND	ND	ND	0	7920
		2'	ND	ND	ND	ND	ND	0	3040
		3'	ND	ND	ND	ND	ND	0	543
		4'	ND	ND	ND	ND	ND	0	442
S-6	10/23/2023	1'	ND	ND	ND	ND	ND	0	4630
		2'	ND	ND	ND	ND	ND	0	3890
		3'	ND	ND	ND	ND	ND	0	1360
		4'	ND	ND	ND	ND	ND	0	622
S-6	11/7/2023	5'	ND	ND	ND	ND	ND	0	ND
SW 1	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 2	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 3	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 4	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 5	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 6	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 7	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 8	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 9	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
SW 10	10/23/2023	0-4'	ND	ND	ND	ND	ND	0	ND
BG 1	10/23/2023	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On January 26, 2024, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 3' and S6 to 4' BGS. The contaminated soil of 132 cubic yards was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On February 15, 2024, after sending a 48-hour notification, application ID:313798 (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

## 2-15-24 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - (Depth to Groundwater is <50')									
Devon- Green wave 20 CTB 9									
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	Chlorides mg/kg
CS1	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CS2	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CS3	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CS4	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CS5	2/15/2024	5'	ND	ND	ND	ND	ND	0	ND
CSW1	2/15/2024	5'	ND	ND	ND	ND	ND	0	ND
CSW2	2/15/2024	5'	ND	ND	ND	ND	ND	0	ND
CSW3	2/15/2024	5'	ND	ND	ND	ND	ND	0	ND
CSW4	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW5	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW6	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW7	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW8	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW9	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW10	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW11	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW12	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW13	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW14	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW15	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW16	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW17	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW18	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW19	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND
CSW20	2/15/2024	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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

### Closure Request

After careful review, Pima requests that this incident, NAPP2329622562, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.



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

Respectfully,



Gio Gomez  
Project Manager  
Pima Environmental Services, LLC

### **Attachments**

#### Figures:

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

#### Appendices:

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



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**Figures:**



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

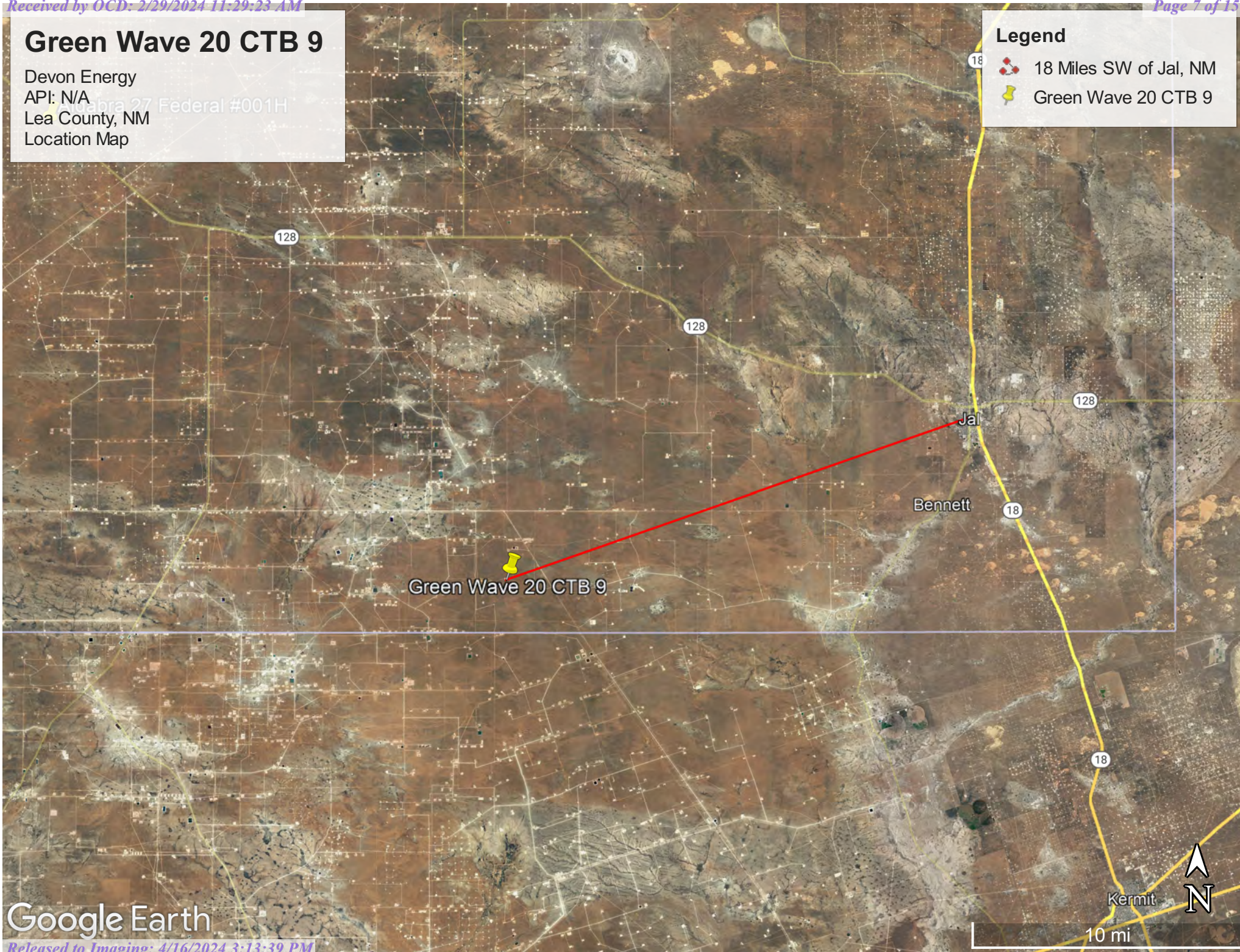


# Green Wave 20 CTB 9

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

## Legend

-  18 Miles SW of Jal, NM
-  Green Wave 20 CTB 9




Google Earth

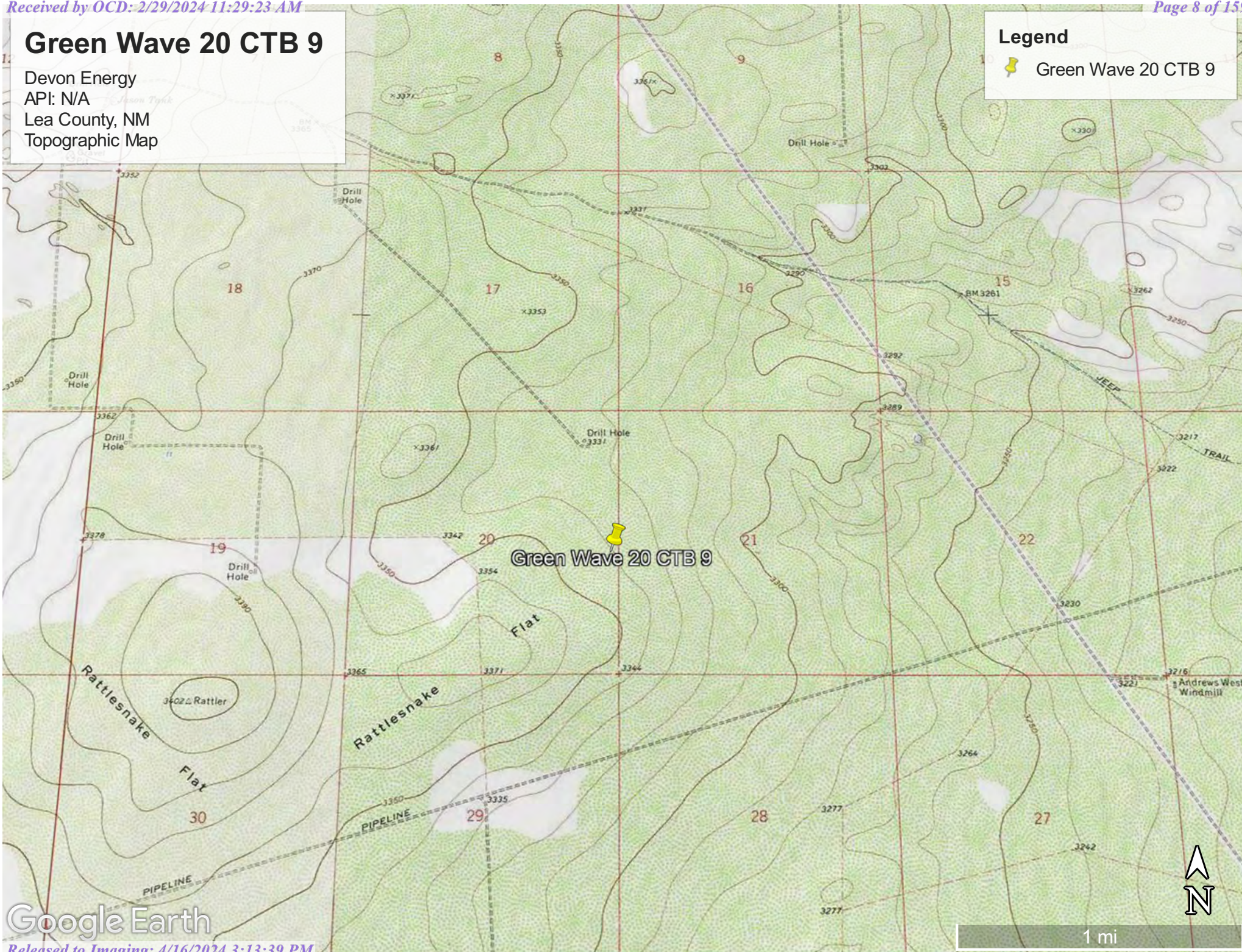


# Green Wave 20 CTB 9

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

## Legend


 Green Wave 20 CTB 9

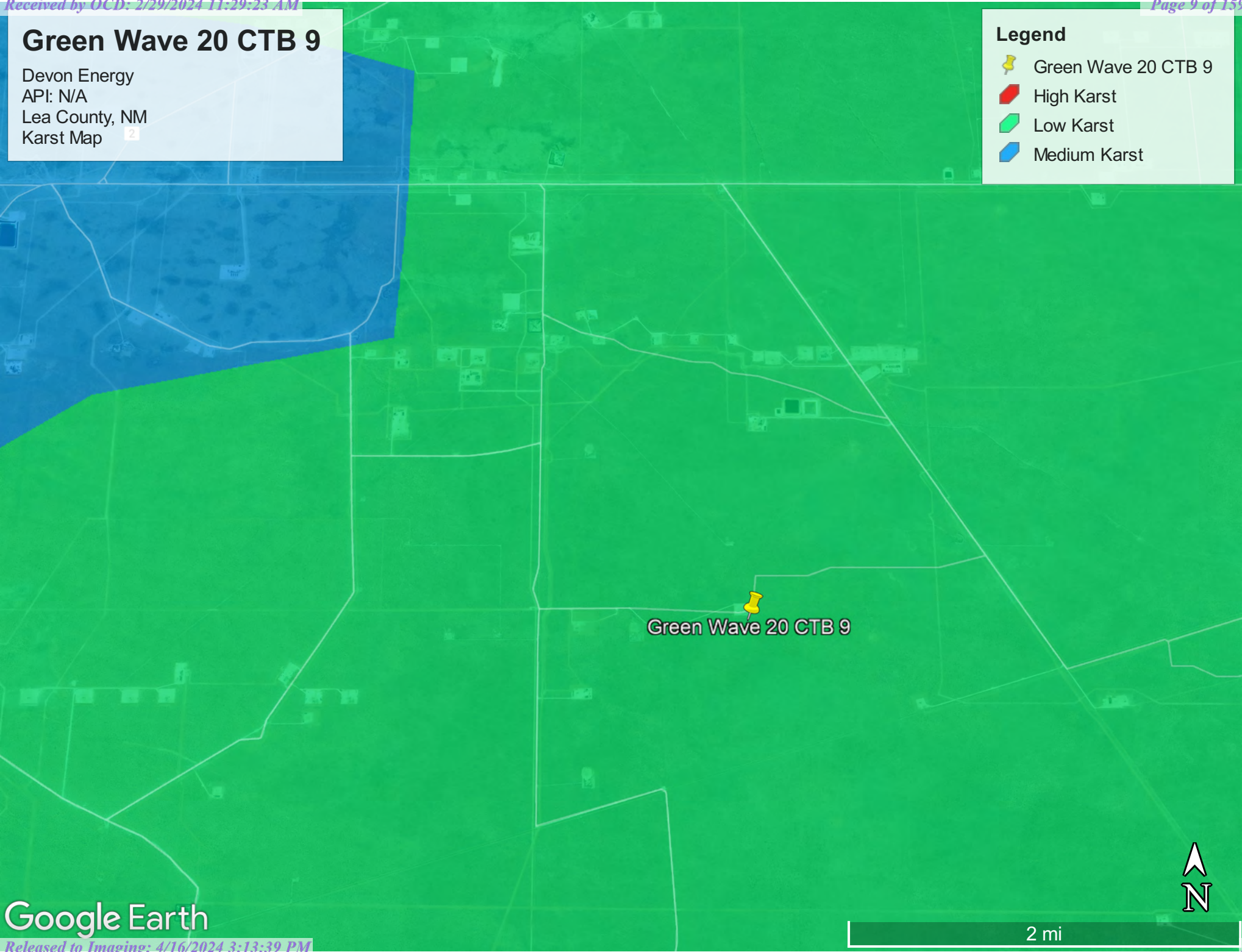




# Green Wave 20 CTB 9

Devon Energy  
API: N/A  
Lea County, NM  
Karst Map 2

- Legend**
-  Green Wave 20 CTB 9
  -  High Karst
  -  Low Karst
  -  Medium Karst







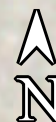
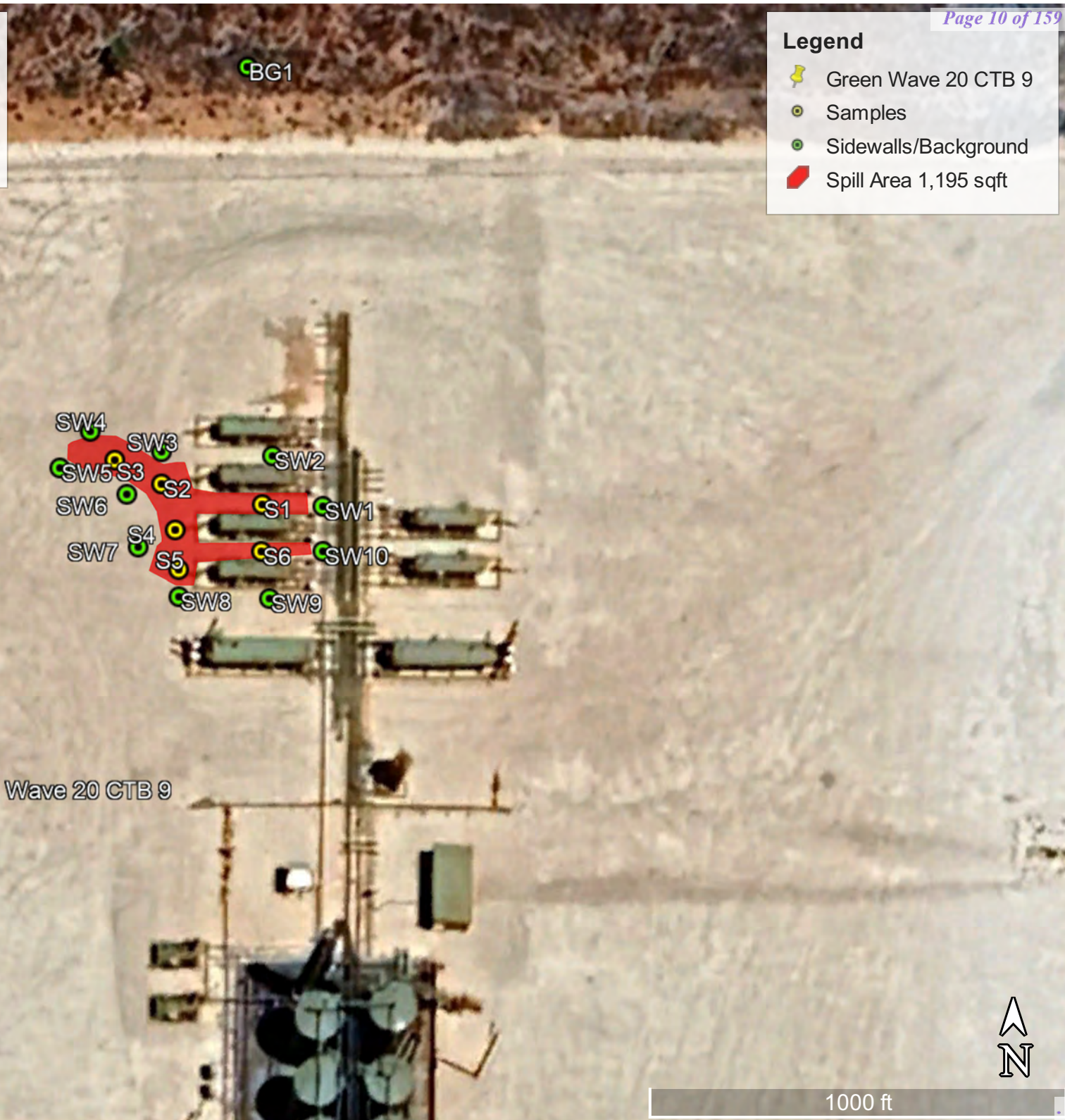


# Green Wave 20 CTB 9

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

## Legend

-  Green Wave 20 CTB 9
-  Samples
-  Sidewalls/Background
-  Spill Area 1,195 sqft



1000 ft

Google Earth



# Green Wave 20 CTB 9

Devon Energy

API: N/A

Lea County, NM

Confirmation Sample Map

## Legend

- Confirmation Sample Bottom
- Confirmation Sample Sidewalls
- Greenwave 20 CTB 9



Green Wave 20 CTB 9

Google Earth



80 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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 04583 POD1</a>		CUB	LE	3	3	3	15	26S	34E	644920	3545643	2052	55		
<a href="#">C 04710 POD1</a>		CUB	LE	4	4	4	22	26S	34E	646400	3543956	3284			
<a href="#">C 04626 POD1</a>		CUB	LE	4	2	1	18	26S	34E	640644	3546672	3289			
<a href="#">C 02295</a>		CUB	LE	2	2	4	12	26S	33E	639865	3547624	4503	250	200	50
Average Depth to Water:														200 feet	
Minimum Depth:														200 feet	
Maximum Depth:														200 feet	

**Record Count:** 4

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 643171.89

**Northing (Y):** 3544566.73

**Radius:** 5000

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


10/24/23 9:06 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04583 POD1	3	3	3	15	26S	34E	644920	3545643 

x

**Driller License:** 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.**Driller Name:** JACKIE D ATKINS**Drill Start Date:** 01/04/2022 **Drill Finish Date:** 01/04/2022 **Plug Date:****Log File Date:** 02/04/2022 **PCW Rev Date:** **Source:****Pump Type:** **Pipe Discharge Size:** **Estimated Yield:****Casing Size:** **Depth Well:** 55 feet **Depth Water:**

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.

2/21/24 12:30 PM


POINT OF DIVERSION SUMMARY





# Green Wave 20 CTB 9

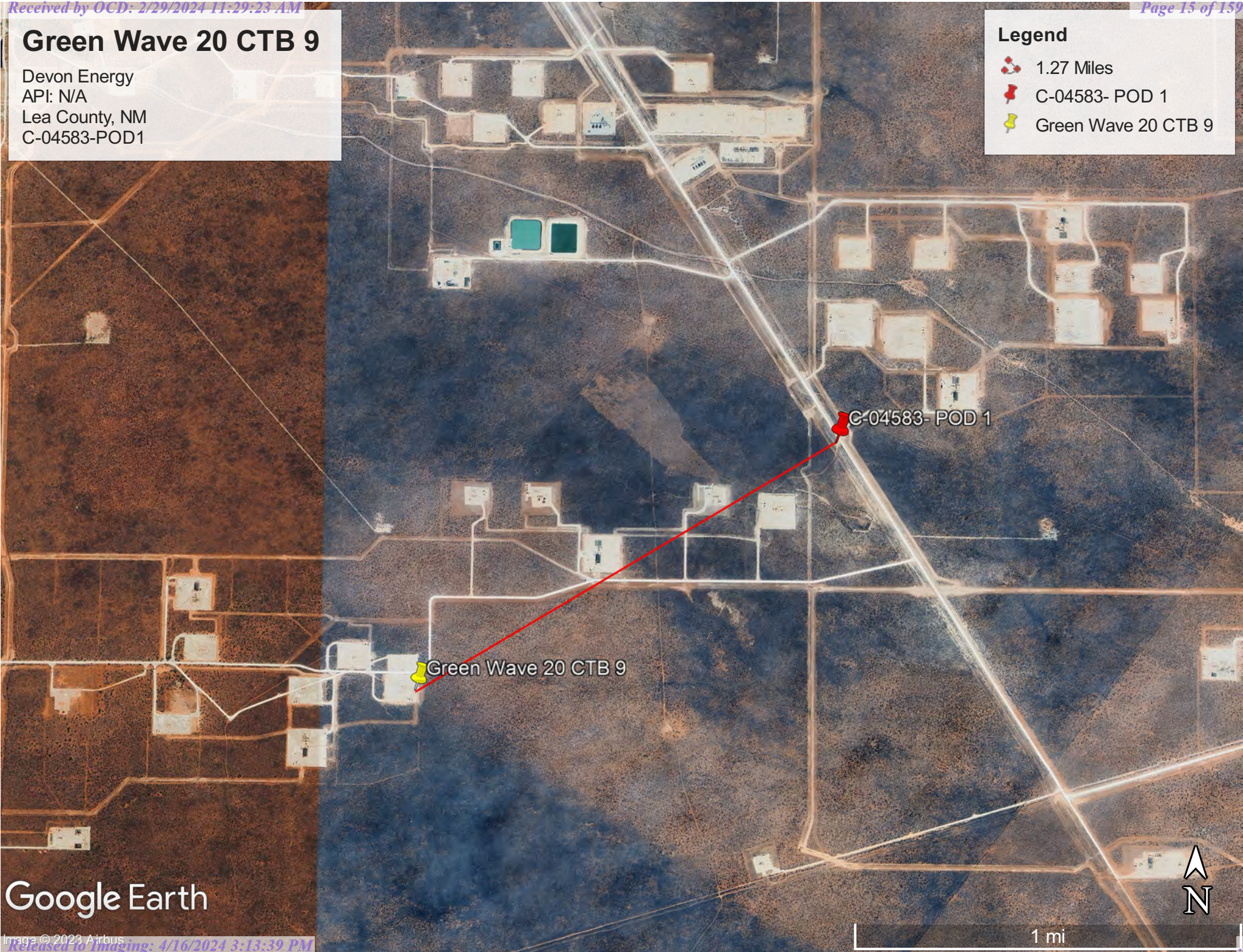
Devon Energy  
API: N/A  
Lea County, NM  
C-04583-POD1

Legend

 1.27 Miles

 C-04583- POD 1

 Green Wave 20 CTB 9



Google Earth





[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 =

- 320056103333501

Minimum number of levels = 1

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

### USGS 320056103333501 26S.33E.27.21132

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°00'56", Longitude 103°33'35" NAD27

Land-surface elevation 3,273 feet above NAVD88

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

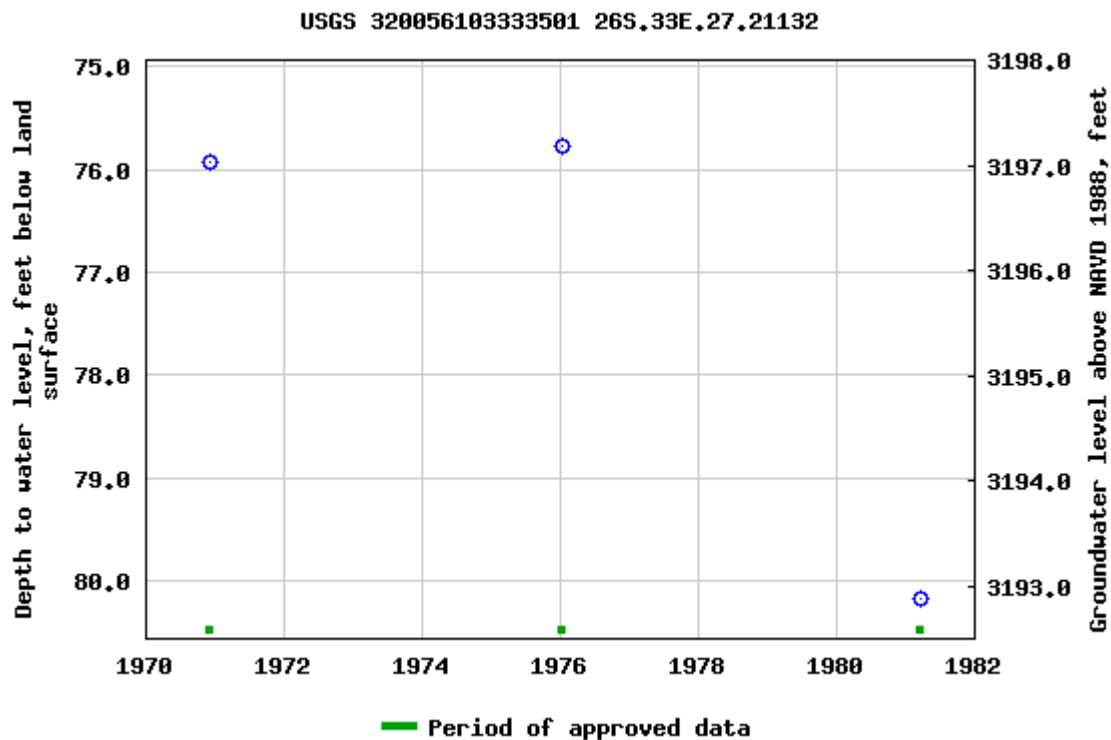
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.  
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**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2023-10-24 11:04:11 EDT

0.63 0.56 nadww01

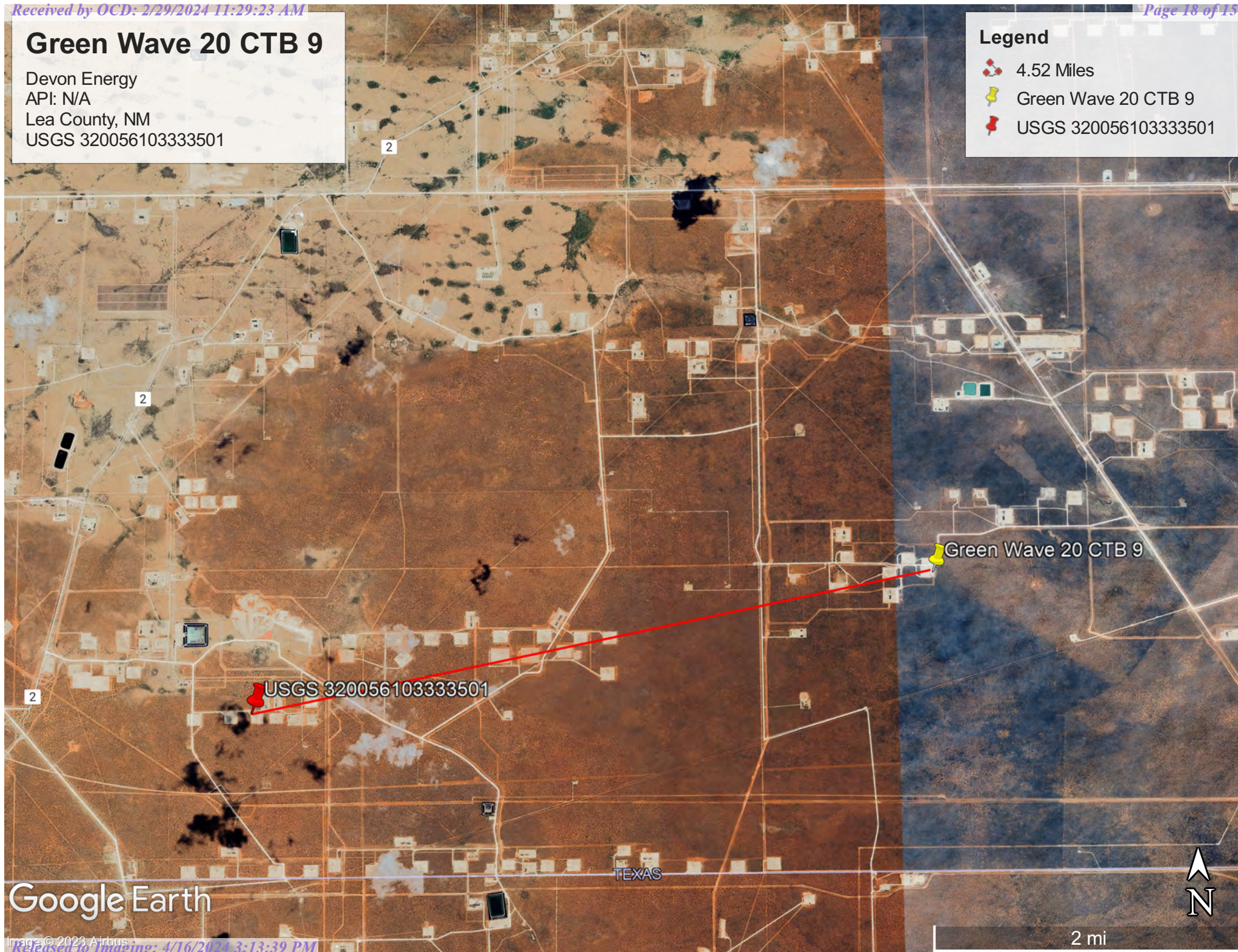


# Green Wave 20 CTB 9

Devon Energy  
API: N/A  
Lea County, NM  
USGS 320056103333501

## Legend

- 4.52 Miles
- Green Wave 20 CTB 9
- USGS 320056103333501



Google Earth

TEXAS



2 mi

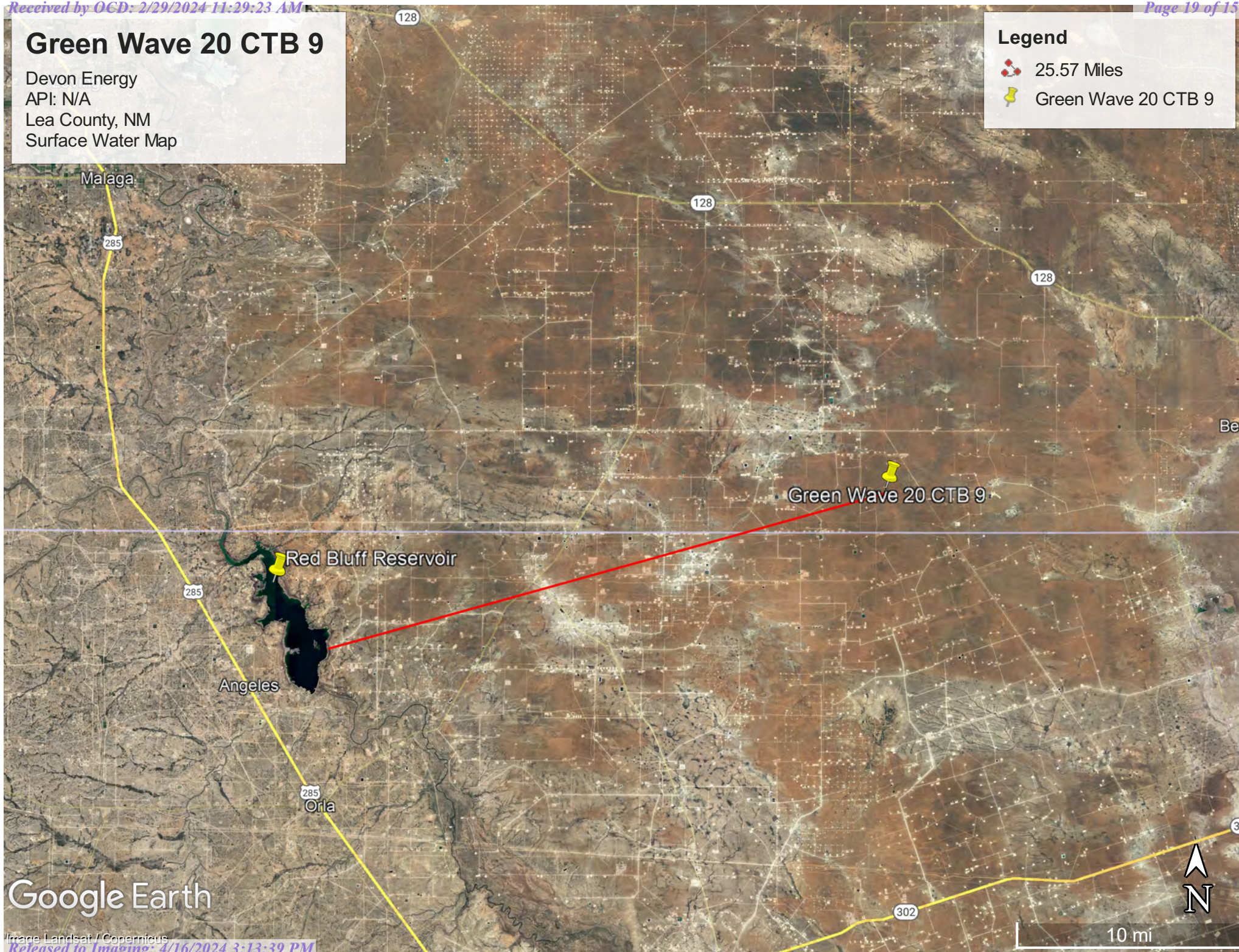


# Green Wave 20 CTB 9

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

## Legend

-  25.57 Miles
-  Green Wave 20 CTB 9



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

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## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

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

### **Description of Maljamar**

#### **Setting**

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Sandy eolian deposits derived from sedimentary rock*

#### **Typical profile**

*A - 0 to 24 inches: fine sand*  
*Bt - 24 to 50 inches: sandy clay loam*  
*Bkm - 50 to 60 inches: cemented material*

#### **Properties and qualities**

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Low (about 5.6 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): 6e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Minor Components**

#### **Kermit**

*Percent of map unit: 10 percent*  
*Ecological site: R070BC022NM - Sandhills*

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

# National Flood Hazard Layer FIRMMette



103°29'21"W 32°1'57"N



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

1:6,000

103°28'43"W 32°1'26"N

Released to Imaging: 4/16/2024 3:13:39 PM

Basemap Imagery Source: USGS National Map 2023

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/24/2023 at 11:07 AM 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



January 5, 2024

Wetlands

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

### **48-Hour Notification**



Lynsey Pima Oil <lynsey@pimaoil.com>

---

**FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 313798**

2 messages

**Woodall, Dale** <Dale.Woodall@dvn.com>

Tue, Feb 13, 2024 at 9:43 AM

To: Lynsey Pima Oil <lynsey@pimaoil.com>, Gio PimaOil <gio@pimaoil.com>

Dale Woodall

*Environmental Professional*

*Hobbs, NM*

*Office: 575-748-1838*

*Mobile: 405-318-4697*

*[Dale.Woodall@dvn.com](mailto:Dale.Woodall@dvn.com)*

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>

**Sent:** Tuesday, February 13, 2024 9:43 AM

**To:** Woodall, Dale <[Dale.Woodall@dvn.com](mailto:Dale.Woodall@dvn.com)>

**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 313798

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2329622562.

The sampling event is expected to take place:

**When:** 02/15/2024 @ 10:00

**Where:** I-20-26S-34E 2424 FSL 299 FEL (32.02821,-103.48386)

**Additional Information:** Andrew Franco -806-200-0054

**Additional Instructions:** From the intersection of NM 128 and County Rd 2, travel southwest on County Rd for 11.56 miles, turn East on lease for 2.58 miles, turn South on lease rd for 2.47 miles, Turn East on lease Rd for 0.90 mile, Turn South on lease Rd for 0.16 mile arriving to location.

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

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

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

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive  
Santa Fe, NM 87505

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

---

lynsey@pimaoil.com <lynsey@pimaoil.com>  
To: lynsey@pimaoil.com

Tue, Feb 13, 2024 at 10:01 AM

----- Forwarded message -----

From: "Woodall, Dale" <Dale.Woodall@dmn.com>

To: Lynsey Pima Oil <lynsey@pimaoil.com>, "Gio PimaOil" <gio@pimaoil.com>

Cc:

Bcc:

Date: Tue, 13 Feb 2024 09:43:34 -0700

Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 313798

Dale Woodall

*Environmental Professional*

*Hobbs, NM*

*Office: 575-748-1838*

Mobile: 405-318-4697

[Dale.Woodall@dmv.com](mailto:Dale.Woodall@dmv.com)

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>

**Sent:** Tuesday, February 13, 2024 9:43 AM

**To:** Woodall, Dale <[Dale.Woodall@dmv.com](mailto:Dale.Woodall@dmv.com)>

**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 313798

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2329622562.

The sampling event is expected to take place:

**When:** 02/15/2024 @ 10:00

**Where:** I-20-26S-34E 2424 FSL 299 FEL (32.02821,-103.48386)

**Additional Information:** Andrew Franco -806-200-0054

**Additional Instructions:** From the intersection of NM 128 and County Rd 2, travel southwest on County Rd for 11.56 miles, turn East on lease for 2.58 miles, turn South on lease rd for 2.47 miles, Turn East on lease Rd for 0.90 mile, Turn South on lease Rd for 0.16 mile arriving to location.

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

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

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


**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

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---

 **FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 313798.eml**  
19K



Pima Environmental Services

## **Appendix D**

Photographic Documentation





**SITE PHOTOGRAPHS  
DEVON ENERGY**

**Green Wave 20 CTB 9**

**Assessment**







Pre Excavation







## Excavation







Post Excavation





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: Greenwave 20 CTB 9

Work Order: E310255

Job Number: 01058-0007

Received: 10/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/1/23

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: 11/1/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Greenwave 20 CTB 9  
Workorder: E310255  
Date Received: 10/25/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2023 8:30:00AM, under the Project Name: Greenwave 20 CTB 9.

The analytical test results summarized in this report with the Project Name: Greenwave 20 CTB 9 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**

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Laboratory Technical Representative  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/23 12:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E310255-01A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S1 - 2'	E310255-02A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S1 - 3'	E310255-03A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S1 - 4'	E310255-04A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S2 - 1'	E310255-05A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S2 - 2'	E310255-06A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S2 - 3'	E310255-07A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S2 - 4'	E310255-08A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S3 - 1'	E310255-09A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S3 - 2'	E310255-10A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S3 - 3'	E310255-11A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S3 - 4'	E310255-12A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S4 - 1'	E310255-13A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S4 - 2'	E310255-14A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S4 - 3'	E310255-15A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S4 - 4'	E310255-16A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S5 - 1'	E310255-17A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S5 - 2'	E310255-18A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S5 - 3'	E310255-19A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S5 - 4'	E310255-20A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S1 - 1'

E310255-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene	105 %	70-130		10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/25/23	10/26/23	
Surrogate: Toluene-d8	99.4 %	70-130		10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene	105 %	70-130		10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/25/23	10/26/23	
Surrogate: Toluene-d8	99.4 %	70-130		10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane	81.4 %	50-200		10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	4060	40.0	2	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S1 - 2'

E310255-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		101 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		101 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		79.7 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	4390	100	5	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S1 - 3'

E310255-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		86.6 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	1120	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S1 - 4'

E310255-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		99.5 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		99.5 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		87.9 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	572	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S2 - 1'

E310255-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		73.8 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	7400	200	10	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S2 - 2'

E310255-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		80.3 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	6790	200	10	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S2 - 3'

E310255-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		79.9 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	1680	20.0	1	10/27/23	10/28/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 4'

E310255-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		79.2 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	556	20.0	1	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S3 - 1'

E310255-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/26/23	
Toluene	ND	0.0250	1	10/25/23	10/26/23	
o-Xylene	ND	0.0250	1	10/25/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		99.4 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/26/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/26/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/25/23	10/26/23	
Surrogate: Toluene-d8		99.4 %	70-130	10/25/23	10/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		78.6 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	2440	40.0	2	10/27/23	10/28/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported: 11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 2'

E310255-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343080	
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2343086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		74.8 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2343110	
Chloride	3970	40.0	2	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S3 - 3'

E310255-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		80.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	2060	20.0	1	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S3 - 4'

E310255-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		80.1 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	477	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S4 - 1'

E310255-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		99.6 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		99.6 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		78.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	2940	40.0	2	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S4 - 2'

E310255-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		78.7 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	3540	40.0	2	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S4 - 3'

E310255-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		79.8 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	2200	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S4 - 4'

E310255-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		79.4 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	571	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S5 - 1'

E310255-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		73.3 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	7920	200	10	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S5 - 2'

E310255-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/25/23	10/27/23	
Surrogate: Toluene-d8	99.1 %	70-130		10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/25/23	10/27/23	
Surrogate: Toluene-d8	99.1 %	70-130		10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane	78.5 %	50-200		10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	3040	40.0	2	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 12:24:58PM

S5 - 3'

E310255-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		99.8 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/25/23	10/27/23	
Surrogate: Toluene-d8		99.8 %	70-130	10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2343086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		77.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343110
Chloride	543	20.0	1	10/27/23	10/28/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported: 11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5 - 4'

E310255-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343080	
Benzene	ND	0.0250	1	10/25/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/27/23	
Toluene	ND	0.0250	1	10/25/23	10/27/23	
o-Xylene	ND	0.0250	1	10/25/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene	105 %	70-130		10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/25/23	10/27/23	
Surrogate: Toluene-d8	99.9 %	70-130		10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/27/23	
Surrogate: Bromofluorobenzene	105 %	70-130		10/25/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/25/23	10/27/23	
Surrogate: Toluene-d8	99.9 %	70-130		10/25/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2343086	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane	80.4 %	50-200		10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2343110	
Chloride	442	20.0	1	10/27/23	10/29/23	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2343080-BLK1) Prepared: 10/25/23 Analyzed: 10/26/23

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	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2343080-BS1) Prepared: 10/25/23 Analyzed: 10/26/23

Benzene	2.35	0.0250	2.50		94.1	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Toluene	2.28	0.0250	2.50		91.3	70-130			
o-Xylene	2.35	0.0250	2.50		94.1	70-130			
p,m-Xylene	4.62	0.0500	5.00		92.5	70-130			
Total Xylenes	6.98	0.0250	7.50		93.0	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike (2343080-MS1) Source: E310255-02 Prepared: 10/25/23 Analyzed: 10/26/23

Benzene	2.34	0.0250	2.50	ND	93.6	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.3	45-135			
Toluene	2.26	0.0250	2.50	ND	90.3	48-130			
o-Xylene	2.32	0.0250	2.50	ND	92.9	43-135			
p,m-Xylene	4.51	0.0500	5.00	ND	90.3	43-135			
Total Xylenes	6.84	0.0250	7.50	ND	91.2	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike Dup (2343080-MSD1) Source: E310255-02 Prepared: 10/25/23 Analyzed: 10/26/23

Benzene	2.42	0.0250	2.50	ND	96.9	48-131	3.44	23	
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135	3.50	27	
Toluene	2.34	0.0250	2.50	ND	93.5	48-130	3.53	24	
o-Xylene	2.42	0.0250	2.50	ND	96.7	43-135	3.99	27	
p,m-Xylene	4.73	0.0500	5.00	ND	94.5	43-135	4.61	27	
Total Xylenes	7.14	0.0250	7.50	ND	95.3	43-135	4.40	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343080-BLK1)					Prepared: 10/25/23 Analyzed: 10/26/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2343080-BS2)					Prepared: 10/25/23 Analyzed: 10/26/23				
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2343080-MS2)					Source: E310255-02		Prepared: 10/25/23 Analyzed: 10/26/23		
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

Matrix Spike Dup (2343080-MSD2)					Source: E310255-02		Prepared: 10/25/23 Analyzed: 10/26/23		
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 12:24:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343086-BLK1)					Prepared: 10/26/23 Analyzed: 10/26/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.1		50.0		90.3	50-200			

LCS (2343086-BS1)					Prepared: 10/26/23 Analyzed: 10/26/23				
Diesel Range Organics (C10-C28)	226	25.0	250		90.6	38-132			
Surrogate: n-Nonane	40.0		50.0		80.1	50-200			

Matrix Spike (2343086-MS1)					Source: E310255-07		Prepared: 10/26/23 Analyzed: 10/26/23		
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.7	38-132			
Surrogate: n-Nonane	39.3		50.0		78.6	50-200			

Matrix Spike Dup (2343086-MSD1)					Source: E310255-07		Prepared: 10/26/23 Analyzed: 10/26/23		
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132	0.297	20	
Surrogate: n-Nonane	38.1		50.0		76.2	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2023 12:24:58PM

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 (2343110-BLK1)					Prepared: 10/27/23 Analyzed: 10/28/23				
Chloride	ND	20.0							
LCS (2343110-BS1)					Prepared: 10/27/23 Analyzed: 10/28/23				
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2343110-MS1)					Source: E310255-01		Prepared: 10/27/23 Analyzed: 10/28/23		
Chloride	4360	40.0	250	4060	117	80-120			
Matrix Spike Dup (2343110-MSD1)					Source: E310255-01		Prepared: 10/27/23 Analyzed: 10/28/23		
Chloride	4100	40.0	250	4060	15.7	80-120	6.01	20	M4

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:	Greenwave 20 CTB 9	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/23 12:24

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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
- DNR Did not react with the addition of acid or base.

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

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



## Project Information

## Chain of Custody

Page 1 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>Greenview 20 CTB 9</u>					Attention: <u>Devon</u>		Lab WO# <u>E310255</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		Analysis and Method										RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip												State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks		
Phone: 580-748-1613					Email:													
Email: tom@pimaoil.com					Pima Project # <u>321-2</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
10:01	10/23	S	1	S1-1'	1													
10:10				S1-2'	2													
10:12				S1-3'	3													
10:17				S1-4'	4													
10:19				S2-1'	5													
10:21				S2-2'	6													
10:23				S2-3'	7													
10:27				S2-4'	8													
10:31				S3-1'	9													
10:33				S3-2'	10													
Additional Instructions: <u>B# 21244237</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Sampled by:																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karime Adams</u>		10/24/23	2:18PM	<u>Michelle Gayle</u>		10/24/23	1418	Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____										
<u>Michelle Gayle</u>		10/24/23	1700	<u>Andrew Nussio</u>		10/24/23	1730											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>										
<u>Andrew Nussio</u>		10/24/23	2400	<u>Carth Man</u>		10/25/23	8:30	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
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 4

Client: Pima Environmental Services Project: <u>Greenway 20 CTB 9</u> 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: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>321-2</u>					Lab Use Only Lab WO# <u>E310255</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
10:39	10/23	S	1	S3-3'	11							X								
10:41				S3-4'	12															
10:55				S4-1'	13															
10:51				S4-2'	14															
10:52				S4-3'	15															
10:55				S4-4'	16															
10:59				S5-1'	17															
11:10				S5-2'	18															
11:19				S5-3'	19															
11:17				S5-4'	20															

**Additional Instructions:** B# 2124 4237

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: Michelle Gayle

Relinquished by: (Signature) Karime Hame Date 10/24/23 Time 2:18

Received by: (Signature) Michelle Gayle Date 10-24-23 Time 1418

Relinquished by: (Signature) Michelle Gayle Date 10-24-23 Time 1700

Received by: (Signature) Michelle Gayle Date 10-24-23 Time 1730

Relinquished by: (Signature) Michelle Gayle Date 10-24-23 Time 2400

Received by: (Signature) Carth Man Date 10-25-23 Time 8:30

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

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

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

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

## Envirotech Analytical Laboratory

Printed: 10/25/2023 1:01:57PM

## 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:	10/25/23 08:30	Work Order ID:	E310255
Phone:	(575) 631-6977	Date Logged In:	10/24/23 16:40	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/31/23 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/Resolution

Project Greenwave 20 CTB 9 has been separated into 2 reports due to sample volume. Workorders are as follows: E310255 & E310256.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

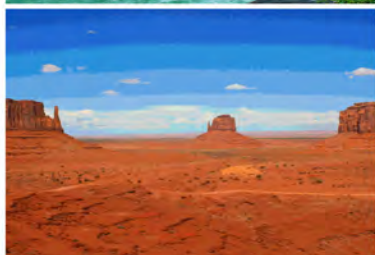
Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Greenwave 20 CTB 9

Work Order: E310256

Job Number: 01058-0007

Received: 10/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/1/23

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.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 11/1/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Greenwave 20 CTB 9  
Workorder: E310256  
Date Received: 10/25/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2023 8:30:00AM, under the Project Name: Greenwave 20 CTB 9.

The analytical test results summarized in this report with the Project Name: Greenwave 20 CTB 9 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**  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/23 16:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E310256-01A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S6 - 2'	E310256-02A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S6 - 3'	E310256-03A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
S6 - 4'	E310256-04A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW1	E310256-05A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW2	E310256-06A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW3	E310256-07A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW4	E310256-08A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW5	E310256-09A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW6	E310256-10A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW7	E310256-11A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW8	E310256-12A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW9	E310256-13A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
SW10	E310256-14A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.
BG1	E310256-15A	Soil	10/23/23	10/25/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

S6 - 1'

E310256-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene	104 %	70-130		10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/26/23	10/27/23	
Surrogate: Toluene-d8	99.9 %	70-130		10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene	104 %	70-130		10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/26/23	10/27/23	
Surrogate: Toluene-d8	99.9 %	70-130		10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane	91.8 %	50-200		10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	4630	200	10	10/27/23	10/27/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

S6 - 2'

E310256-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		91.1 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	3890	40.0	2	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

S6 - 3'

E310256-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		94.1 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	1360	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

S6 - 4'

E310256-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/26/23	
Surrogate: n-Nonane		90.0 %	50-200	10/26/23	10/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	622	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW1

## E310256-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		99.9 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		99.9 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		93.6 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW2

## E310256-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		93.0 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW3

## E310256-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		90.4 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 11/1/2023 4:06:40PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E310256-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343090	
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene	103 %	70-130		10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/26/23	10/27/23	
Surrogate: Toluene-d8	101 %	70-130		10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2343090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene	103 %	70-130		10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/26/23	10/27/23	
Surrogate: Toluene-d8	101 %	70-130		10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2343085	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane	92.8 %	50-200		10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2343111	
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW5

## E310256-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		91.6 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW6

## E310256-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		101 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		91.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

SW7

E310256-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		93.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW8

## E310256-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		92.5 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW9

## E310256-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		93.6 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## SW10

## E310256-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		94.1 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/1/2023 4:06:40PM

## BG1

## E310256-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Benzene	ND	0.0250	1	10/26/23	10/27/23	
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23	
Toluene	ND	0.0250	1	10/26/23	10/27/23	
o-Xylene	ND	0.0250	1	10/26/23	10/27/23	
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23	
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/26/23	10/27/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/26/23	10/27/23	
Surrogate: Toluene-d8		100 %	70-130	10/26/23	10/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2343085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/23	10/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/23	10/27/23	
Surrogate: n-Nonane		92.9 %	50-200	10/26/23	10/27/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2343111
Chloride	ND	20.0	1	10/27/23	10/28/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 4:06:40PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2343090-BLK1) Prepared: 10/26/23 Analyzed: 10/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2343090-BS1) Prepared: 10/26/23 Analyzed: 10/27/23

Benzene	2.36	0.0250	2.50		94.5	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.5	70-130			
Toluene	2.30	0.0250	2.50		91.9	70-130			
o-Xylene	2.37	0.0250	2.50		94.9	70-130			
p,m-Xylene	4.63	0.0500	5.00		92.6	70-130			
Total Xylenes	7.00	0.0250	7.50		93.4	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

Matrix Spike (2343090-MS1) Source: E310256-03 Prepared: 10/26/23 Analyzed: 10/27/23

Benzene	2.40	0.0250	2.50	ND	96.2	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.8	45-135			
Toluene	2.36	0.0250	2.50	ND	94.6	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.66	0.0500	5.00	ND	93.2	43-135			
Total Xylenes	7.05	0.0250	7.50	ND	94.0	43-135			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

Matrix Spike Dup (2343090-MSD1) Source: E310256-03 Prepared: 10/26/23 Analyzed: 10/27/23

Benzene	2.46	0.0250	2.50	ND	98.4	48-131	2.32	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.6	45-135	1.90	27	
Toluene	2.41	0.0250	2.50	ND	96.2	48-130	1.74	24	
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135	2.91	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.9	43-135	2.82	27	
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135	2.85	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 4:06:40PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343090-BLK1) Prepared: 10/26/23 Analyzed: 10/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2343090-BS2) Prepared: 10/26/23 Analyzed: 10/27/23

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike (2343090-MS2) Source: E310256-03 Prepared: 10/26/23 Analyzed: 10/27/23

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike Dup (2343090-MSD2) Source: E310256-03 Prepared: 10/26/23 Analyzed: 10/27/23

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	3.59	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 4:06:40PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343085-BLK1)					Prepared: 10/26/23 Analyzed: 10/26/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2343085-BS1)					Prepared: 10/26/23 Analyzed: 10/26/23				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			

Matrix Spike (2343085-MS1)					Source: E310251-01		Prepared: 10/26/23 Analyzed: 10/26/23		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	45.5		50.0		91.0	50-200			

Matrix Spike Dup (2343085-MSD1)					Source: E310251-01		Prepared: 10/26/23 Analyzed: 10/26/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	1.05	20	
Surrogate: n-Nonane	46.6		50.0		93.3	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/1/2023 4:06:40PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2343111-BLK1)					Prepared: 10/27/23 Analyzed: 10/30/23				
Chloride	ND	20.0							
LCS (2343111-BS1)					Prepared: 10/27/23 Analyzed: 10/30/23				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2343111-MS1)					Source: E310256-01		Prepared: 10/27/23 Analyzed: 10/27/23		
Chloride	5150	200	250	4630	209	80-120			M4
Matrix Spike Dup (2343111-MSD1)					Source: E310256-01		Prepared: 10/27/23 Analyzed: 10/28/23		
Chloride	5060	200	250	4630	174	80-120	1.71	20	M4

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:	Greenwave 20 CTB 9	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/23 16:06

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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
- DNR Did not react with the addition of acid or base.

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

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



## Project Information

## Chain of Custody

Page 3 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Greenview 20 CTR 9</u>					Attention: <u>Devon</u>		Lab WO# <u>E310256</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip										State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
Phone: 580-748-1613					Email:		Chloride 300.0						BGDOC NM		BGDOC TX	
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>321-2</u>										Remarks	
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
11:19	10/23	S	1	56-1	1											
11:31				56-2	2											
11:36				56-3	3											
11:39				56-4	4											
11:42				SW1	5											
11:51				SW2	6											
11:59				SW3	7											
12:01				SW4	8											
12:06				SW5	9											
12:07				SW6	10											
Additional Instructions: <u>B# 21244237</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
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.																
Sampled by:																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
<u>Karine Adams</u>		10/24/23	2918	<u>Michelle Ruyh</u>		10-24-23	1418									
<u>Michelle Ruyh</u>		10-24-23	1700	<u>Andrew Mv</u>		10-24-23	1730									
<u>Andrew Mv</u>		10-24-23	2400	<u>Carth Man</u>		10-25-23	8:30									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																









## Envirotech Analytical Laboratory

Printed: 10/25/2023 1:05:51PM

## 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:	10/25/23 08:30	Work Order ID:	E310256
Phone:	(575) 631-6977	Date Logged In:	10/24/23 16:41	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/31/23 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/Resolution

Project Greenwave 20 CTB 9 has been separated into 2 reports due to sample volume. Workorders are as follows: E310255 & E310256.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Greenwave 20 CTB 9

Work Order: E311083

Job Number: 01058-0007

Received: 11/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/16/23

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: 11/16/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Greenwave 20 CTB 9  
Workorder: E311083  
Date Received: 11/10/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/10/2023 7:00:00AM, under the Project Name: Greenwave 20 CTB 9.

The analytical test results summarized in this report with the Project Name: Greenwave 20 CTB 9 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**

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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzales**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/23 15:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6-5'	E311083-01A	Soil	11/07/23	11/10/23	Glass Jar, 4 oz.



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/16/2023 3:18:42PM

S6-5'

E311083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346009
Benzene	ND	0.0250	1	11/13/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/15/23	
Toluene	ND	0.0250	1	11/13/23	11/15/23	
o-Xylene	ND	0.0250	1	11/13/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/15/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/13/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/13/23	11/15/23	
Surrogate: Toluene-d8		98.9 %	70-130	11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346009
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/15/23	
Surrogate: Bromofluorobenzene		111 %	70-130	11/13/23	11/15/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/13/23	11/15/23	
Surrogate: Toluene-d8		98.9 %	70-130	11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346041
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/15/23	
Surrogate: n-Nonane		95.6 %	50-200	11/15/23	11/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346013
Chloride	25.0	20.0	1	11/13/23	11/14/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/16/2023 3:18:42PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2346009-BLK1)					Prepared: 11/13/23 Analyzed: 11/14/23				
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	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

LCS (2346009-BS1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Benzene	2.76	0.0250	2.50		110	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.8	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.44	0.0250	2.50		97.5	70-130			
p,m-Xylene	4.74	0.0500	5.00		94.8	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

Matrix Spike (2346009-MS1)					Source: E311077-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.7	45-135			
Toluene	2.41	0.0250	2.50	ND	96.4	48-130			
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135			
p,m-Xylene	4.76	0.0500	5.00	ND	95.1	43-135			
Total Xylenes	7.21	0.0250	7.50	ND	96.1	43-135			
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

Matrix Spike Dup (2346009-MSD1)					Source: E311077-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Benzene	2.74	0.0250	2.50	ND	109	48-131	4.03	23	
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135	3.64	27	
Toluene	2.47	0.0250	2.50	ND	99.0	48-130	2.58	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	4.91	27	
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135	5.11	27	
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135	5.04	27	
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/16/2023 3:18:42PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346009-BLK1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

LCS (2346009-BS2)					Prepared: 11/13/23 Analyzed: 11/14/23				
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

Matrix Spike (2346009-MS2)					Source: E311077-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2346009-MSD2)					Source: E311077-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130	14.0	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:  11/16/2023 3:18:42PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346041-BLK1)					Prepared: 11/15/23 Analyzed: 11/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2346041-BS1)					Prepared: 11/15/23 Analyzed: 11/15/23				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

Matrix Spike (2346041-MS1)					Source: E311087-02		Prepared: 11/15/23 Analyzed: 11/15/23		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2346041-MSD1)					Source: E311087-02		Prepared: 11/15/23 Analyzed: 11/15/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.33	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:18:42PM

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 (2346013-BLK1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	ND	20.0							
LCS (2346013-BS1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346013-MS1)					Source: E311068-27		Prepared: 11/13/23 Analyzed: 11/13/23		
Chloride	975	20.0	250	645	132	80-120			M2
Matrix Spike Dup (2346013-MSD1)					Source: E311068-27		Prepared: 11/13/23 Analyzed: 11/13/23		
Chloride	930	20.0	250	645	114	80-120	4.81	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:	Greenwave 20 CTB 9	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/23 15:18

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

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

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







## Envirotech Analytical Laboratory

Printed: 11/13/2023 12:16:09PM

## 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:	11/10/23 00:00	Work Order ID:	E311083
Phone:	(575) 631-6977	Date Logged In:	11/09/23 16:39	Logged In By:	Jordan Montano
Email:	tom@pimaoil.com	Due Date:	11/16/23 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? No
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
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:

**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Greenwave 20 CTB 9

Work Order: E402154

Job Number: 01058-0007

Received: 2/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/20/24

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: 2/20/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Greenwave 20 CTB 9  
Workorder: E402154  
Date Received: 2/17/2024 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2024 6:30:00AM, under the Project Name: Greenwave 20 CTB 9.

The analytical test results summarized in this report with the Project Name: Greenwave 20 CTB 9 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  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/20/24 14:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 -Bottom	E402154-01A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CS2 -Bottom	E402154-02A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CS3 -Bottom	E402154-03A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CS4 -Bottom	E402154-04A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CS5 -Bottom	E402154-05A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW1	E402154-06A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW2	E402154-07A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW3	E402154-08A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW4	E402154-09A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW5	E402154-10A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW6	E402154-11A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW7	E402154-12A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW8	E402154-13A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW9	E402154-14A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW10	E402154-15A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW11	E402154-16A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW12	E402154-17A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW13	E402154-18A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW14	E402154-19A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW15	E402154-20A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW16	E402154-21A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW17	E402154-22A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW18	E402154-23A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW19	E402154-24A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.
CSW20	E402154-25A	Soil	02/15/24	02/17/24	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Greenwave 20 CTB 9 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 2/20/2024 2:43:14PM
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### CS1 -Bottom

#### E402154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	97.7 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CS2 -Bottom

## E402154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	97.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CS3 -Bottom

## E402154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CS4 -Bottom

## E402154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS5 -Bottom  
E402154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW1

## E402154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	96.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW2

## E402154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.0 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW3

## E402154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.6 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.7 %	70-130	02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
		98.1 %	50-200	02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW4

## E402154-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW5

E402154-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	97.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW6

E402154-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	99.1 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW7

E402154-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/17/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/17/24	
Toluene	ND	0.0250	1	02/16/24	02/17/24	
o-Xylene	ND	0.0250	1	02/16/24	02/17/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/17/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/17/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		02/16/24	02/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	97.9 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW8

## E402154-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW9

E402154-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.1 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	98.6 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW10

## E402154-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	98.3 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported: 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW11  
E402154-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	99.5 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW12  
E402154-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.7 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	98.4 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	

## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW13

## E402154-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2407093
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2407094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2408001
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW14

E402154-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
Surrogate: 4-Bromochlorobenzene-PID	88.7 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	102 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW15

E402154-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Benzene	ND	0.0250	1	02/16/24	02/18/24	
Ethylbenzene	ND	0.0250	1	02/16/24	02/18/24	
Toluene	ND	0.0250	1	02/16/24	02/18/24	
o-Xylene	ND	0.0250	1	02/16/24	02/18/24	
p,m-Xylene	ND	0.0500	1	02/16/24	02/18/24	
Total Xylenes	ND	0.0250	1	02/16/24	02/18/24	
Surrogate: 4-Bromochlorobenzene-PID	88.5 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2407093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/16/24	02/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		02/16/24	02/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2407094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/24	02/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/24	02/18/24	
Surrogate: n-Nonane	98.9 %	50-200		02/17/24	02/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2408001	
Chloride	ND	20.0	1	02/18/24	02/18/24	





## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW16

## E402154-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2408009
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
<i>Surrogate: n-Nonane</i>						
	89.6 %	50-200		02/19/24	02/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2408003
Chloride	ND	20.0	1	02/19/24	02/19/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW17

## E402154-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2408009
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
<i>Surrogate: n-Nonane</i>						
	90.0 %	50-200		02/19/24	02/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2408003
Chloride	ND	20.0	1	02/19/24	02/19/24	



## Sample Data

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

Project Name: Greenwave 20 CTB 9  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
2/20/2024 2:43:14PM

## CSW18

## E402154-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2408006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2408009
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		02/19/24	02/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2408003
Chloride	ND	20.0	1	02/19/24	02/19/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW19

E402154-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2408006	
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2408006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.0 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2408009	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane	90.6 %	50-200		02/19/24	02/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2408003	
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	<b>Reported:</b> 2/20/2024 2:43:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW20

E402154-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2408006	
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2408006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.2 %	70-130		02/19/24	02/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2408009	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane	88.6 %	50-200		02/19/24	02/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2408003	
Chloride	ND	20.0	1	02/19/24	02/19/24	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Volatile Organics by EPA 8021B

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 (2407093-BLK1)Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID7.398.0092.470-130

LCS (2407093-BS1)Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	4.72	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.5	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.2	0.0250	15.0		94.4	70-130			

Surrogate: 4-Bromochlorobenzene-PID7.518.0093.870-130

Matrix Spike (2407093-MS1)Source: E402154-09Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	4.41	0.0250	5.00	ND	88.1	54-133			
Ethylbenzene	4.40	0.0250	5.00	ND	87.9	61-133			
Toluene	4.39	0.0250	5.00	ND	87.9	61-130			
o-Xylene	4.34	0.0250	5.00	ND	86.8	63-131			
p,m-Xylene	8.88	0.0500	10.0	ND	88.8	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.1	63-131			

Surrogate: 4-Bromochlorobenzene-PID7.588.0094.770-130

Matrix Spike Dup (2407093-MSD1)Source: E402154-09Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	5.22	0.0250	5.00	ND	104	54-133	16.8	20	
Ethylbenzene	5.21	0.0250	5.00	ND	104	61-133	16.9	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	17.1	20	
o-Xylene	5.15	0.0250	5.00	ND	103	63-131	17.0	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	16.6	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	16.7	20	

Surrogate: 4-Bromochlorobenzene-PID7.528.0094.070-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2408006-BLK1) Prepared: 02/19/24 Analyzed: 02/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 7.53 8.00 94.1 70-130

LCS (2408006-BS1) Prepared: 02/19/24 Analyzed: 02/19/24

Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.65 8.00 95.6 70-130

Matrix Spike (2408006-MS1) Source: E402154-25 Prepared: 02/19/24 Analyzed: 02/19/24

Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.68 8.00 96.0 70-130

Matrix Spike Dup (2408006-MSD1) Source: E402154-25 Prepared: 02/19/24 Analyzed: 02/19/24

Benzene	4.77	0.0250	5.00	ND	95.4	54-133	1.94	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133	0.909	20	
Toluene	4.78	0.0250	5.00	ND	95.7	61-130	1.41	20	
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131	0.981	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	0.993	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	0.989	20	

Surrogate: 4-Bromochlorobenzene-PID 7.60 8.00 94.9 70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2407093-BLK1) Prepared: 02/16/24 Analyzed: 02/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

LCS (2407093-BS2) Prepared: 02/16/24 Analyzed: 02/17/24

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

Matrix Spike (2407093-MS2) Source: E402154-09 Prepared: 02/16/24 Analyzed: 02/17/24

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130			

Matrix Spike Dup (2407093-MSD2) Source: E402154-09 Prepared: 02/16/24 Analyzed: 02/17/24

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130	11.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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 (2408006-BLK1) Prepared: 02/19/24 Analyzed: 02/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

LCS (2408006-BS2) Prepared: 02/19/24 Analyzed: 02/19/24

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2408006-MS2) Source: E402154-25 Prepared: 02/19/24 Analyzed: 02/19/24

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

Matrix Spike Dup (2408006-MSD2) Source: E402154-25 Prepared: 02/19/24 Analyzed: 02/19/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	3.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2407094-BLK1)					Prepared: 02/17/24 Analyzed: 02/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		97.1	50-200			

LCS (2407094-BS1)					Prepared: 02/17/24 Analyzed: 02/18/24				
Diesel Range Organics (C10-C28)	220	25.0	250		87.8	38-132			
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			

Matrix Spike (2407094-MS1)					Source: E402154-05		Prepared: 02/17/24 Analyzed: 02/18/24		
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

Matrix Spike Dup (2407094-MSD1)					Source: E402154-05		Prepared: 02/17/24 Analyzed: 02/18/24		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	7.83	20	
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2408009-BLK1)					Prepared: 02/19/24 Analyzed: 02/19/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	50-200			

LCS (2408009-BS1)					Prepared: 02/19/24 Analyzed: 02/19/24				
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	44.9		50.0		89.7	50-200			

Matrix Spike (2408009-MS1)					Source: E402154-25		Prepared: 02/19/24 Analyzed: 02/20/24		
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.7	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

Matrix Spike Dup (2408009-MSD1)					Source: E402154-25		Prepared: 02/19/24 Analyzed: 02/20/24		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.8	38-132	4.25	20	
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Anions by EPA 300.0/9056A

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 (2408001-BLK1)					Prepared: 02/18/24 Analyzed: 02/18/24				
Chloride	ND	20.0							
LCS (2408001-BS1)					Prepared: 02/18/24 Analyzed: 02/18/24				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2408001-MS1)					Source: E402154-06		Prepared: 02/18/24 Analyzed: 02/18/24		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2408001-MSD1)					Source: E402154-06		Prepared: 02/18/24 Analyzed: 02/18/24		
Chloride	260	20.0	250	ND	104	80-120	0.248	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Greenwave 20 CTB 9	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/20/2024 2:43:14PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2408003-BLK1)					Prepared: 02/19/24 Analyzed: 02/19/24				
Chloride	ND	20.0							
LCS (2408003-BS1)					Prepared: 02/19/24 Analyzed: 02/19/24				
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2408003-MS1)					Source: E402154-23		Prepared: 02/19/24 Analyzed: 02/19/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2408003-MSD1)					Source: E402154-23		Prepared: 02/19/24 Analyzed: 02/19/24		
Chloride	253	20.0	250	ND	101	80-120	0.895	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:	Greenwave 20 CTB 9	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/20/24 14:43

- ND Analyte NOT DETECTED at or above the reporting limit
  - NR Not Reported
  - RPD Relative Percent Difference
  - DNI Did Not Ignite
  - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.







## Project Information

## Chain of Custody

Page 2 of 3

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only <u>01030-0071</u>				TAT			EPA Program		
Project: <u>Greenwave 20 CTB9</u>					Attention: <u>Devon</u>		Lab WO# <u>E 402154</u>		Job Number <u>21064-0001A9</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>321-2</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks	
11:56	2/15	S		CSW6	11								X			
12:11				CSW7	12											
12:26				CSW8	13											
12:32				CSW9	14											
12:46				CSW10	15											
12:51				CSW11	16											
1:16				CSW12	17											
1:27				CSW13	18											
1:33				CSW14	19											
1:38				CSW15	20											
Additional Instructions: <u>Billing # 21244237</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Karime Adame</u>											Received on ice: <u>Y</u> N					
Date <u>2/16/24</u> Time <u>2:27</u>											Lab Use Only					
Relinquished by: (Signature) <u>Michelle Cough</u>											T1 _____ T2 _____ T3 _____					
Date <u>2/16/24</u> Time <u>1630</u>											AVG Temp °C <u>4</u>					
Relinquished by: (Signature) _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Date _____ Time _____											Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					





## Chain of Custody

Client: Pima Environmental Services						Bill To		Lab Use Only								TAT			EPA Program			
Project: Greenview 20 CTB9						Attention: Devon		Lab WO# E 402154				Job Number D1050-0007				1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum						Address:										X						
Address: 5614 N. Lovington Hwy.						City, State, Zip		Analysis and Method											RCRA			
City, State, Zip Hobbs, NM, 88240						Phone:																
Phone: 580-748-1613						Email:																
Email: tom@pimaoil.com						Pima Project # 321-Z																
Report due by:																						
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							
1:52	2/15	S		CSW16	21									X								
2:10		I		CSW17	22																	
2:28		I		CSW18	23																	
2:34		I		CSW19	24																	
2:49		I		CSW20	25																	
Additional Instructions:						Billing # 21244237																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time			
Yarime Adams		2/16/24	2:27	Muelle Corp		2-16-24	1427	Muelle Corp		2-16-24	1630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630			
Muelle Corp		2-16-24	1630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630			
Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630	Muelle Corp		2-17-24	0630			
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

## Envirotech Analytical Laboratory

Printed: 2/17/2024 7:45:55AM

## 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:	02/17/24 06:30	Work Order ID:	E402154
Phone:	(575) 631-6977	Date Logged In:	02/16/24 15:54	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/19/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab 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 InstructionComments/Resolution

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

Date



envirotech Inc.

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**Santa Fe, NM 87505**

QUESTIONS

Action 319005

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319005
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2329622562
Incident Name	NAPP2329622562 GREEN WAVE 20 CTB 9 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123647465] GREEN WAVE 20 CTB 9

**Location of Release Source**

Please answer all the questions in this group.

Site Name	GREEN WAVE 20 CTB 9
Date Release Discovered	10/20/2023
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 7 BBL   Recovered: 1 BBL   Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	LO found a pinhole on the 8H separator water dump line. The leak was isolated and wells were shut in to stop the leak. Leak was on the pad, and did not go offsite.

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QUESTIONS, Page 2

Action 319005

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319005
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/29/2024
--	--



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QUESTIONS, Page 3

Action 319005

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 319005
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	7920
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/26/2024
On what date will (or did) the final sampling or liner inspection occur	02/15/2024
On what date will (or was) the remediation complete(d)	02/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	1195
What is the estimated volume (in cubic yards) that will be reclaimed	132
What is the estimated surface area (in square feet) that will be remediated	1195
What is the estimated volume (in cubic yards) that will be remediated	132

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 319005

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319005
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/29/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5  
  
Action 319005

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 319005
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 319005

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319005
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	313798
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1195

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1195
What was the total volume (cubic yards) remediated	132
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1195
What was the total volume (in cubic yards) reclaimed	132
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/29/2024
--	--

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QUESTIONS, Page 7  
  
Action 319005

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	319005
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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



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CONDITIONS

Action 319005

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	319005
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	4/16/2024
scott.rodgers	• The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/16/2024