

BROADSDE 12 FACILITY 2

nAPP2312824558

5/7/2023

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<b>Contaminated Soil measurement</b>	
Area (square feet)	Depth(inches)
<u>16708.379</u>	<u>0.031</u>
Cubic Feet of Soil Impacted	<u>43.511</u>
Barrels of Soil Impacted	<u>7.76</u>
Soil Type *	Sand
Barrels of Oil Assuming 100% Saturation	<u>1.55</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.16
<b>Free Standing Fluid Only</b>	
Area (square feet)	Depth(inches)
<u>0</u>	<u>0.000</u>
Standing fluid	<u>0.000</u>
<b><u>Total fluids spilled</u></b>	<b><u>1.551</u></b>



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

June 7, 2024

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

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

**Re: Site Assessment and Closure Report**  
**Broadside 12 CTB 2**  
**API No. N/A**  
**GPS: Latitude 32.22580359 Longitude -103.5185014**  
**UL –P Section 12, T24S, R33E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2312824558**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and has prepared this Closure Report for a crude oil release that occurred at the Broadside 12 CTB 2 (Broadside). This incident was assigned Incident ID NAPP2312824558, by the New Mexico Oil Conservation Division (NMOCD).

### Site Characterization

The Broadside is located approximately twenty-one (21) miles northwest of Jal, NM. This spill site is in Unit P, Section 12, Township 24S, Range 33E, Latitude 32.22580359, Longitude -103.5185014, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is 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 soils in this area are made up of Berino-Cacique loamy fine sands association, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present around the Broadside (Figure 3).

According to the New Mexico Office of the State Engineer (C-03666-POD 1), the depth to the nearest groundwater in this area is 390 feet below grade surface (BGS), located approximately 0.86 of a mile, drilled October 18, 2013. According to the United States Geological Survey (USGS 321403103300301), the nearest groundwater is 63 feet BGS, last gauged in 2006, situated approximately 1.13 miles from the Broadside. The closest waterway is a salt playa located approximately 8.52 miles to the northeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix B)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' Lack of GW	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic map.

**Release Information**

**NAPP2312824558** On May 7, 2023, a 3<sup>rd</sup> party reported leaking and spraying from LACT pump skid, causing fluid to be released. The released fluids were calculated to be approximately 2 barrels (bbls) of crude oil, no fluids were able to be recovered.

**Site Assessment and Soil Sampling Results**

On June 8, 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.

6-8-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -BROADSIDE 12 FACILITY 2								
Sample Date:6/8/2023					NM Approved Laboratory Results			
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	40.5	ND	40.5	ND
	2'	ND	ND	ND	ND	ND	0	47.7
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On May 30, 2024, after sending a 48-hour notification, application ID:348565 (Appendix C), Pima returned to the site to collect confirmation samples of the area. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

## 5-30-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BROADSIDE 12 CTB 2								
Sample Date: 5-31-24				NM Approved Laboratory Results				
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
CS2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
CS3	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
CS4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
CS5	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
CSW1	0-2'	ND	ND	ND	ND	ND	0	ND
CSW2	0-2'	ND	ND	ND	ND	ND	0	ND
CSW3	0-2'	ND	ND	ND	ND	ND	0	ND
CSW4	0-2'	ND	ND	ND	ND	ND	0	ND
CSW5	0-2'	ND	ND	ND	ND	ND	0	ND
CSW6	0-2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory results can be found in Appendix D.

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no further remediation activities are required at this time.

### Closure Request

After careful review, Pima requests that this incident, NAPP2312824558, be closed. Devon has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 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



Pima Environmental Services

**Figures:**



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

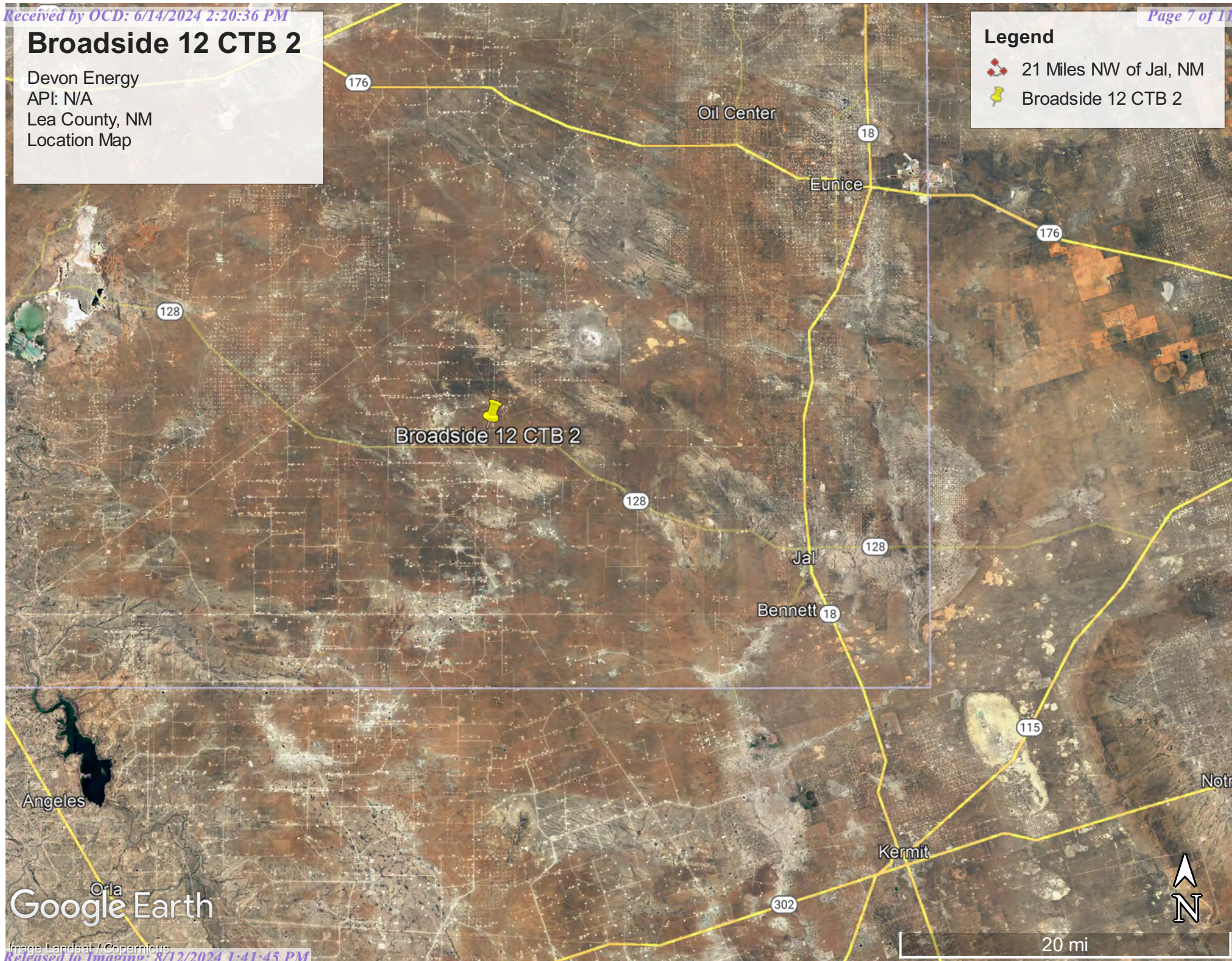


# Broadside 12 CTB 2

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

## Legend

-  21 Miles NW of Jal, NM
-  Broadside 12 CTB 2



Google Earth


Image Landsat / Copernicus



## Broadside 12 CTB 2

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

### Legend

 Broadside 12 CTB 2

Broadside 12 CTB 2

Targa Red Hills Gas Plant Main truck Entrance



Google Earth

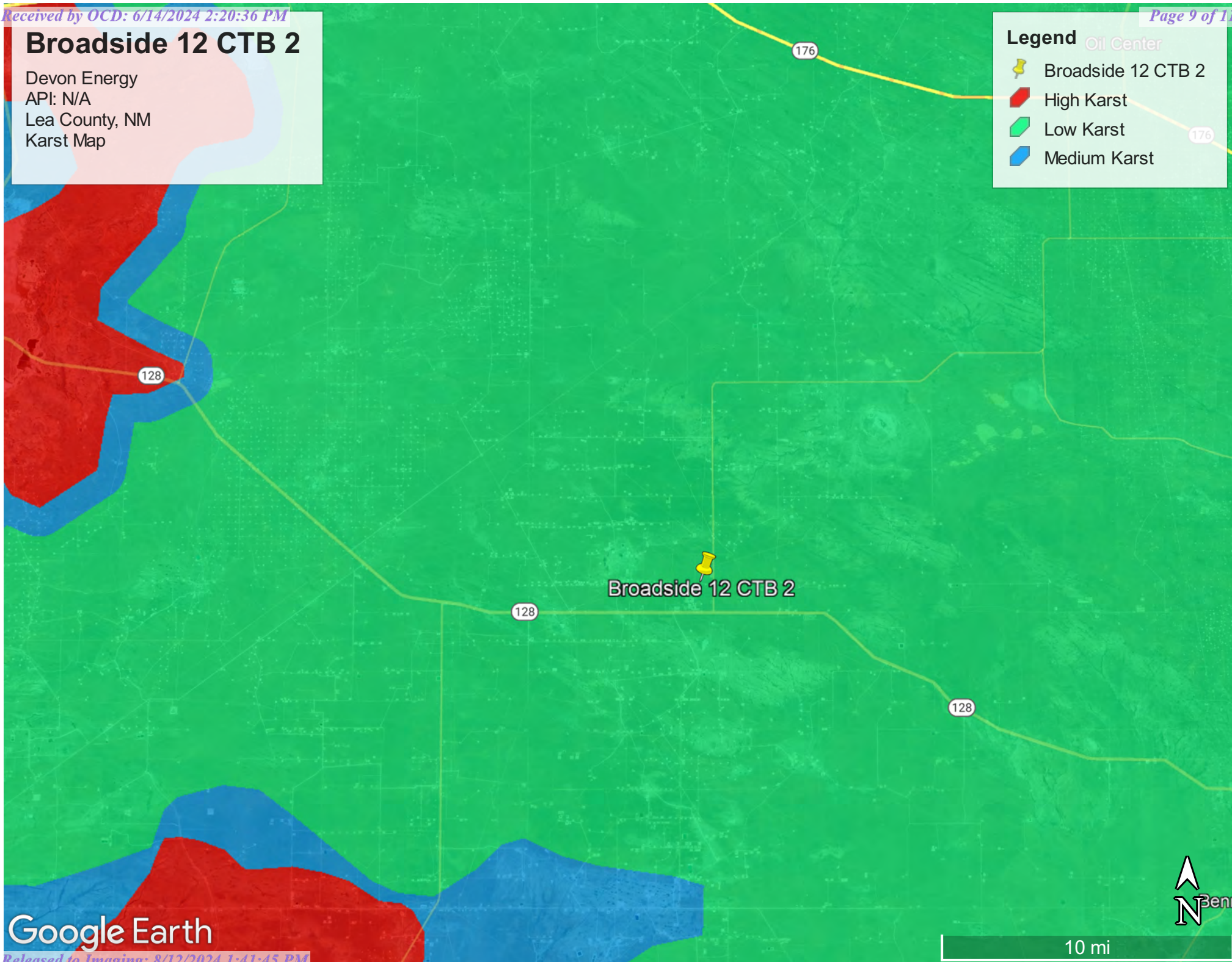
2 mi



# Broadside 12 CTB 2

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

- Legend**
-  Broadside 12 CTB 2
  -  High Karst
  -  Low Karst
  -  Medium Karst



Google Earth






10 mi




## Broadside 12 CTB 2

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

### Legend

-  1,354 Sqft over spray
-  Sidewalls/Background
-  Samples

Broadside 12 CTB 2 



100 ft




Google Earth



## Broadside 12 CTB 2

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

### Legend

-  Broadside 12 CTB 2
-  Confirmation Sidewalls
-  Confirmation Samples



Google Earth



Pima Environmental Services

**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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




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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 03666 POD1</a>		C	LE	2	3	4	13	24S	33E		639132	3565078	1426	650	390	260
<a href="#">C 03932 POD8</a>		CUB	LE	4	2	4	07	24S	34E		641120	3566769	1559	72		
<a href="#">C 03917 POD1</a>		C	LE	4	1	3	13	24S	33E		638374	3565212	1724	600	420	180
<a href="#">C 04014 POD1</a>		CUB	LE	1	1	3	06	24S	34E		639811	3568638	2222	91	81	10
<a href="#">C 04014 POD4</a>		CUB	LE	3	4	2	01	24S	33E		639295	3568859	2451	96	86	10
<a href="#">C 04014 POD2</a>		CUB	LE	4	4	2	01	24S	33E		639656	3568917	2491	95	81	14
<a href="#">C 04014 POD3</a>		CUB	LE	2	4	2	01	24S	33E		639497	3569007	2582	95	87	8
<a href="#">C 04014 POD5</a>		CUB	LE	1	4	2	01	24S	33E		639284	3569086	2678	95	85	10
<a href="#">C 04458 POD1</a>		CUB	LE	4	1	1	20	24S	34E		641549	3564532	2718		0	
<a href="#">C 03601 POD1</a>		CUB	LE	4	4	2	23	24S	33E		638124	3563937	2893			
<a href="#">C 03662 POD1</a>		C	LE	3	1	2	23	24S	33E		637342	3564428	3014	550	110	440
<a href="#">C 04339 POD6</a>		CUB	LE	3	1	2	23	24S	33E		637340	3564386	3043	60		
<a href="#">C 04339 POD9</a>		CUB	LE	3	4	2	23	24S	33E		637731	3563913	3131	45		
<a href="#">C 03601 POD2</a>		CUB	LE	3	2	4	23	24S	33E		637846	3563588	3336			
<a href="#">C 03601 POD3</a>		CUB	LE	1	3	3	24	24S	33E		638142	3563413	3346			
<a href="#">C 02309</a>		CUB	LE	2	2	2	25	24S	33E		639708	3562997	3430	60	30	30
<a href="#">C 03601 POD5</a>		CUB	LE	2	4	4	23	24S	33E		637988	3563334	3486			
<a href="#">C 04339 POD10</a>		CUB	LE	4	1	4	23	24S	33E		637688	3563503	3492	49		
<a href="#">C 03601 POD6</a>		CUB	LE	1	4	4	23	24S	33E		637834	3563338	3556			
<a href="#">C 03601 POD7</a>		CUB	LE	4	4	4	23	24S	33E		637946	3563170	3651			
<a href="#">C 03932 POD3</a>		CUB	LE	4	3	2	05	24S	34E		642442	3568787	3695	100		
<a href="#">C 04339 POD5</a>		CUB	LE	2	3	4	23	24S	33E		637580	3563328	3698	54		
<a href="#">C 04282 POD1</a>		C	LE	1	2	1	05	24S	34E		641662	3569541	3736	574	390	184
<a href="#">C 04339 POD3</a>		CUB	LE	2	4	3	23	24S	33E		637273	3563323	3878	38		
<a href="#">C 04339 POD4</a>		CUB	LE	2	4	3	23	24S	33E		637273	3563323	3878	47		
<a href="#">C 04339 POD7</a>		CUB	LE	4	4	2	23	24S	33E		636473	3564011	3950	43		
<a href="#">C 03600 POD1</a>		CUB	LE	2	2	1	26	24S	33E		637275	3563023	4121			
<a href="#">C 04339 POD8</a>		CUB	LE	1	1	3	23	24S	33E		636519	3563681	4125	30		
<a href="#">C 03620 POD1</a>		CUB	LE	1	4	3	32	23S	34E		641790	3569941	4141	480	130	350
<a href="#">C 03600 POD2</a>		CUB	LE	4	4	1	25	24S	33E		638824	3562329	4169			
<a href="#">C 03602 POD2</a>		CUB	LE	4	4	1	25	24S	33E		638824	3562329	4169			
<a href="#">C 04339 POD2</a>		CUB	LE	2	3	3	23	24S	33E		636789	3563315	4192			

<a href="#">C_04339_POD1</a>	CUB	LE	1	3	3	23	24S	33E	636525	3563309		4378	47
<a href="#">C_03600_POD3</a>	CUB	LE	3	4	2	26	24S	33E	637784	3562340		4471	
<a href="#">C_03600_POD5</a>	CUB	LE	3	2	4	26	24S	33E	637857	3562020		4737	
<a href="#">C_02308</a>	CUB	LE	1	3	1	10	24S	33E	634953	3567364*		4739	402020
<a href="#">C_03600_POD6</a>	CUB	LE	3	1	4	26	24S	33E	637383	3562026		4926	

Average Depth to Water:146 feet

Minimum Depth:0 feet

Maximum Depth:420 feet

Record Count: 37

UTMNAD83 Radius Search (in meters):

Easting (X): 639599

Northing (Y): 3566426.73

Radius: 5000

\*UTM location was derived from PLSS - see Help

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



# New Mexico Office of the State Engineer

## Point of Diversion Summary

</

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

3/25/24 4:17 PM




POINT OF DIVERSION SUMMARY

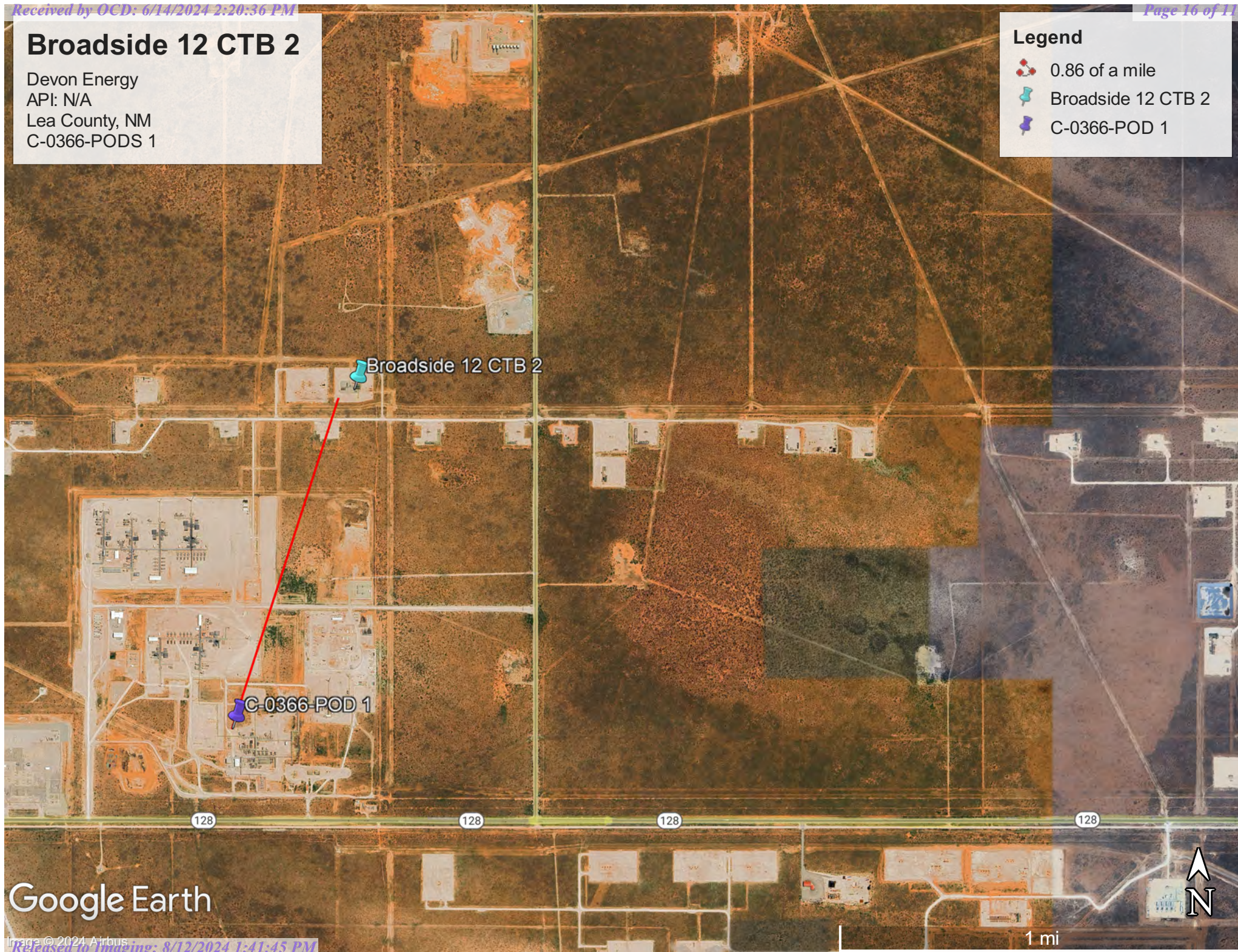


## Broadside 12 CTB 2

Devon Energy  
API: N/A  
Lea County, NM  
C-0366-PODS 1

### Legend

-  0.86 of a mile
-  Broadside 12 CTB 2
-  C-0366-POD 1



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 =

- 321403103300301

Minimum number of levels = 1

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

### USGS 321403103300301 24S.34E.07.22222

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°14'03", Longitude 103°30'03" NAD27

Land-surface elevation 3,606 feet above NAVD88

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

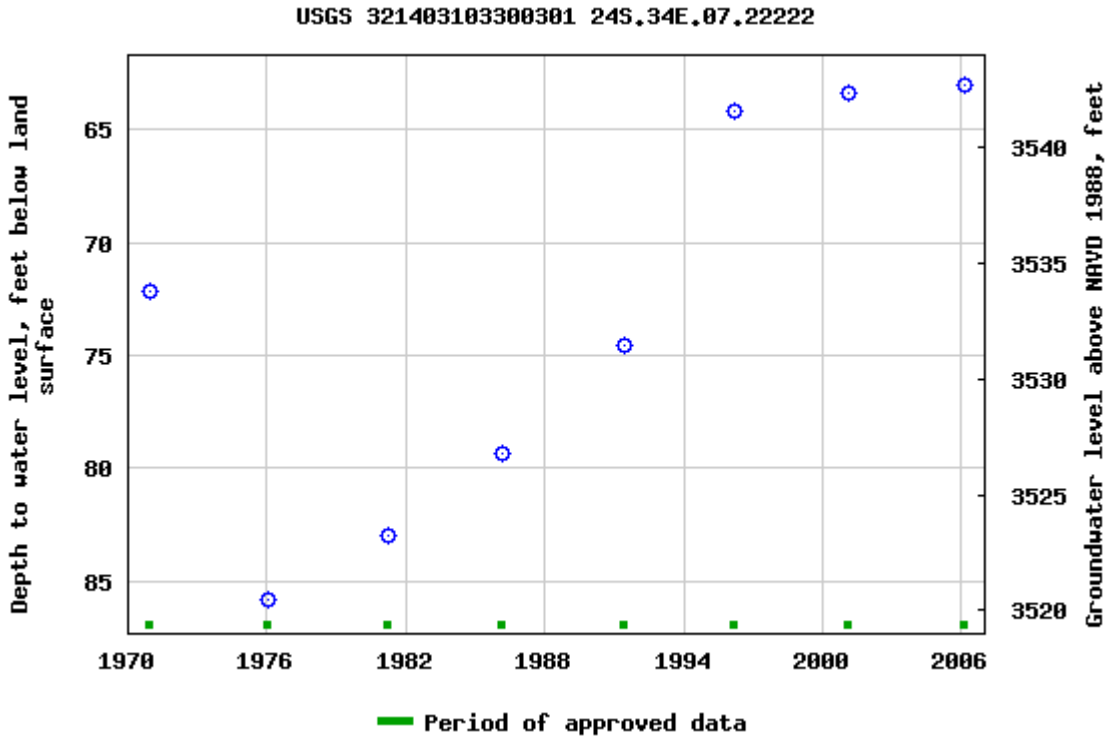
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

**Title:** Groundwater for USA: Water Levels  
**URL:** <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)  
Page Last Modified: 2023-06-19 15:49:22 EDT  
0.58 0.48 nadww02

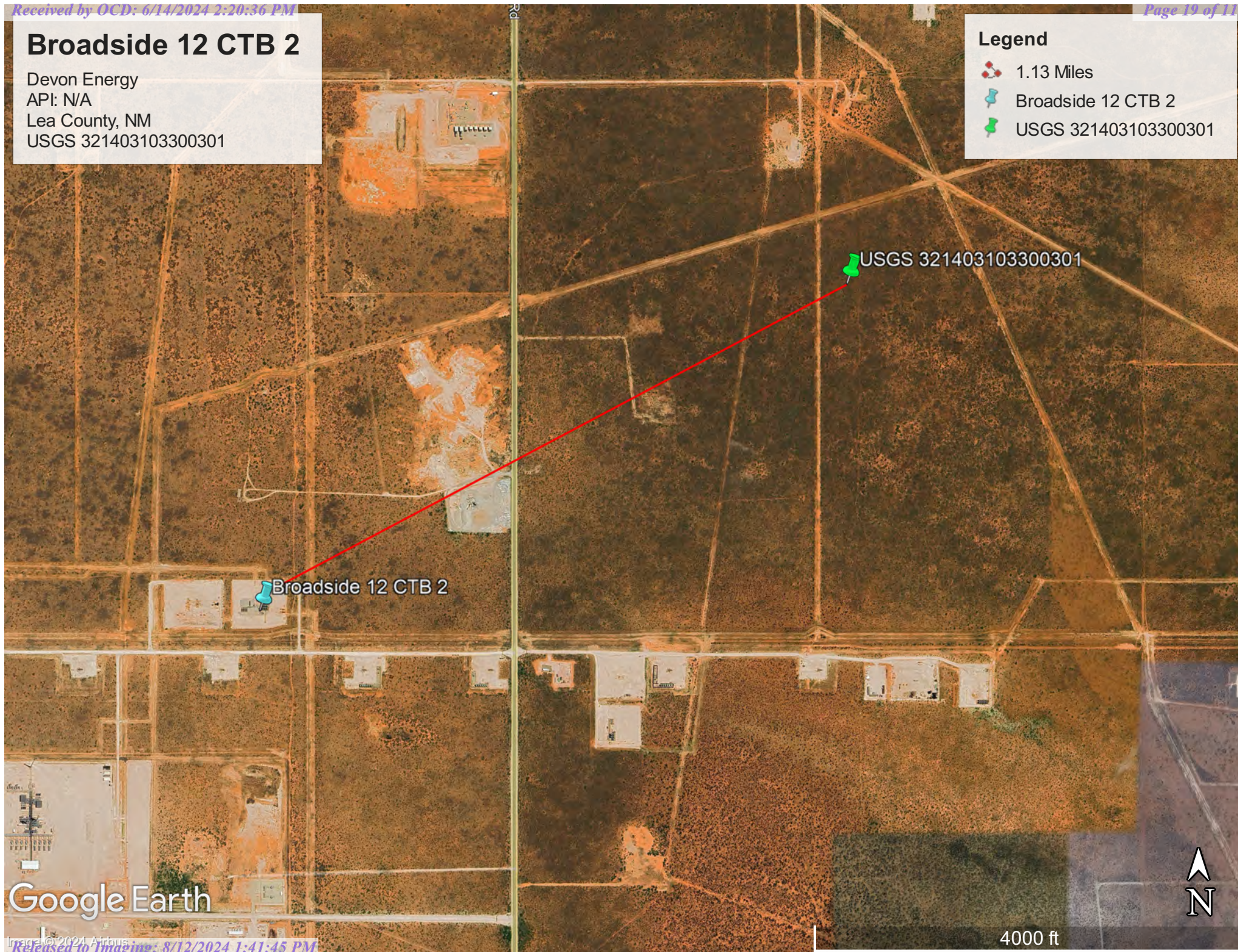


## Broadside 12 CTB 2

Devon Energy  
API: N/A  
Lea County, NM  
USGS 321403103300301

### Legend

- 1.13 Miles
- Broadside 12 CTB 2
- USGS 321403103300301



Google Earth

4000 ft

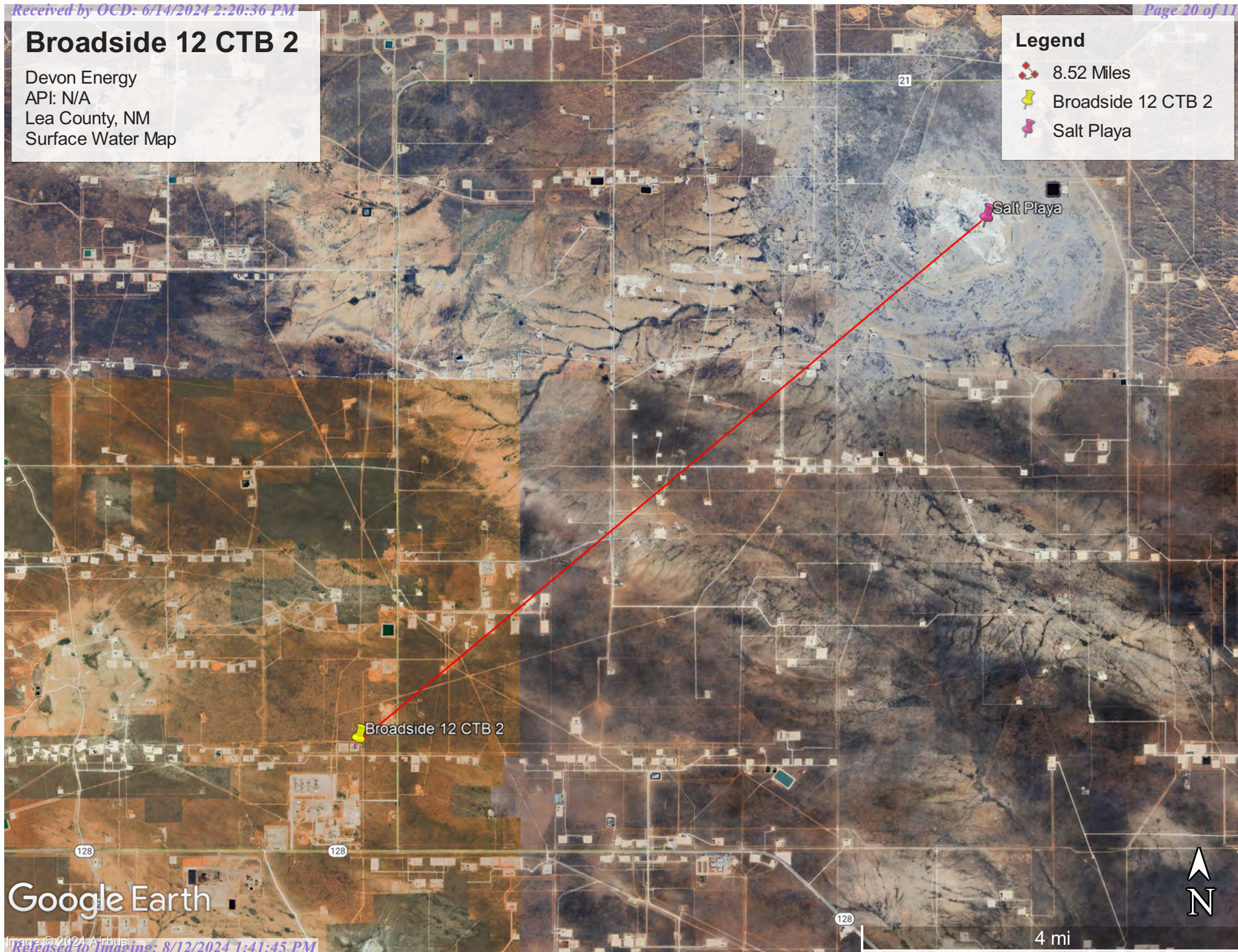


## Broadside 12 CTB 2

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

### Legend

- 8.52 Miles
- Broadside 12 CTB 2
- Salt Playa



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

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## Lea County, New Mexico

### BE—Berino-Cacique loamy fine sands association

#### Map Unit Setting

*National map unit symbol:* dmpd

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

*Mean annual precipitation:* 10 to 13 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

*Berino and similar soils:* 50 percent

*Cacique and similar soils:* 40 percent

*Minor components:* 10 percent

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

#### Description of Berino

##### 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 over calcareous sandy alluvium derived from sedimentary rock

##### Typical profile

*A - 0 to 6 inches:* loamy fine sand

*Btk - 6 to 60 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*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:* Moderate (about 8.7 inches)

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

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**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7c

*Hydrologic Soil Group:* B

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

**Description of Cacique****Setting**

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

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

**Typical profile**

*A - 0 to 12 inches:* loamy fine sand

*Bt - 12 to 28 inches:* sandy clay loam

*Bkm - 28 to 38 inches:* cemented material

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 20 to 40 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* High

*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 3.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7c

*Hydrologic Soil Group:* C

*Ecological site:* R070BD004NM - Sandy

*Hydric soil rating:* No

**Minor Components****Maljamar**

*Percent of map unit:* 6 percent

*Ecological site:* R077CY028TX - Limy Upland 16-21" PZ

*Hydric soil rating:* No

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

---

**Palomas**

*Percent of map unit:* 4 percent

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

**Data Source Information**

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

# National Flood Hazard Layer FIRMette



103°31'25"W 32°13'48"N



### Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
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
	Profile Baseline	
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

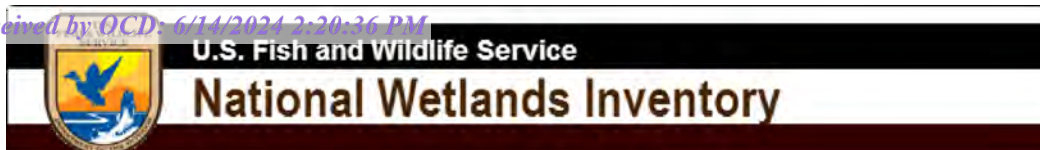
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

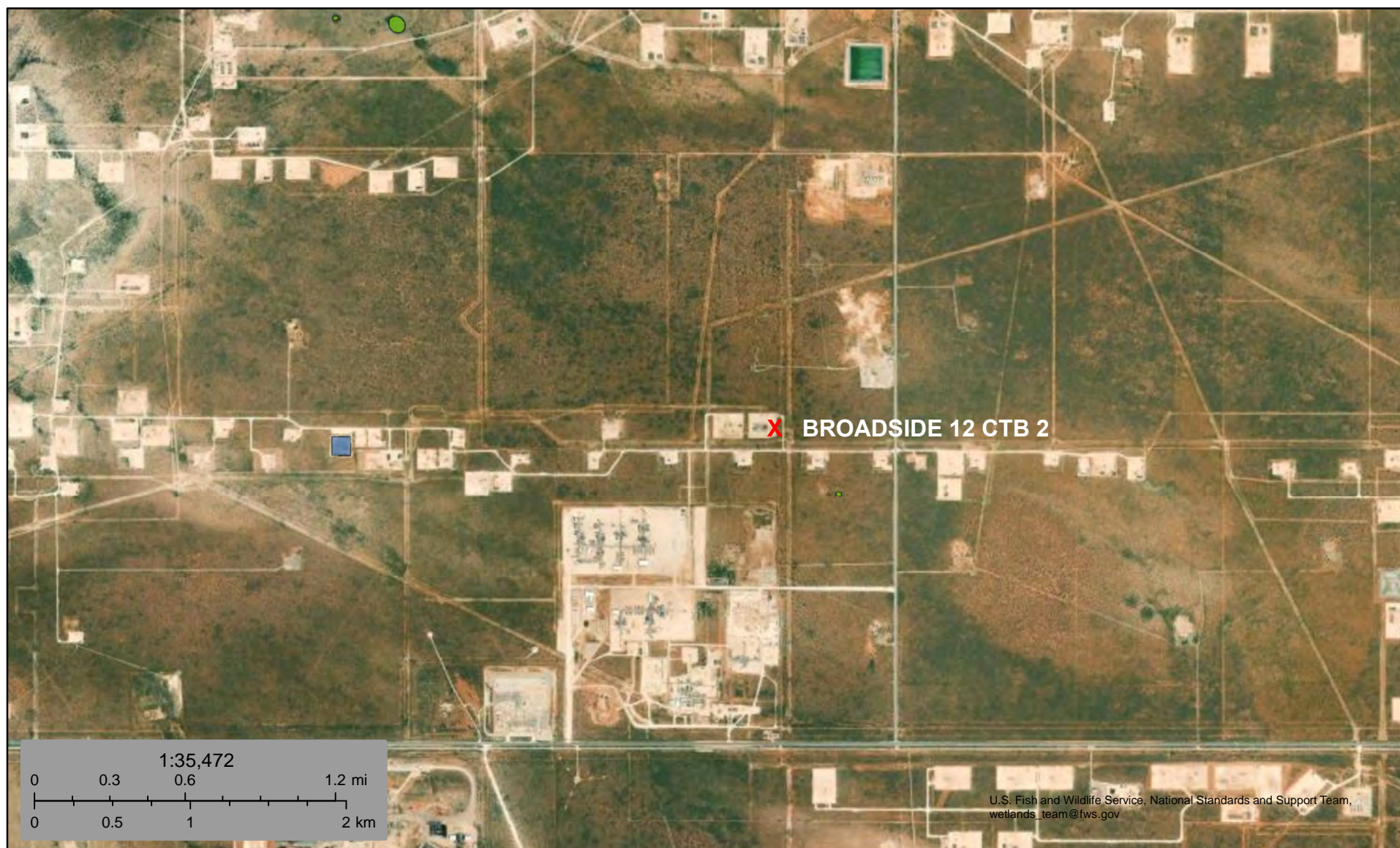
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/19/2023 at 3:43 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





## Wetlands Map



May 29, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

**Appendix C**  
48-Hour Notification



Gio PimaOil <gio@pimaoil.com>

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**FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 348565**

1 message

---

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

Tue, May 28, 2024 at 4:00 PM

To: Gio PimaOil <gio@pimaoil.com>, Lynsey Pima Oil <lynsey@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, May 28, 2024 4:00 PM

**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: 348565

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#) nAPP2312824558.

The sampling event is expected to take place:

**When:** 05/30/2024 @ 09:00

**Where:** P-12-24S-33E 418 FSL 299 FEL (32.22580359,-103.5185014)

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



**Additional Instructions:** P-12-24S-33E ( 32.22580359,-103.5185014 NAD83) From the intersection of NM 128 and County Rd 21, travel north on county Rd 21 for 0.99 of a mile, turn west on Lease Rd for 0.65 of a mile, turn north onto location on the right.

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.



Pima Environmental Services

## **Appendix D**

Photographic Documentation



**SITE PHOTOGRAPHS**  
**DEVON ENERGY**  
**Broadside 12 CTB 2**

**Site Assessment**









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: Broadside 12 Facility 2

Work Order: E306099

Job Number: 01058-0007

Received: 6/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/19/23

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: 6/19/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Broadside 12 Facility 2  
Workorder: E306099  
Date Received: 6/13/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2023 7:30:00AM, under the Project Name: Broadside 12 Facility 2.

The analytical test results summarized in this report with the Project Name: Broadside 12 Facility 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2'	11
S2 - 3'	12
S2 - 4'	13
S3 - 1'	14
S3 - 2'	15
S3 - 3'	16
S3 - 4'	17
S4 - 1'	18
S4 - 2'	19
S4 - 3'	20
S4 - 4'	21
SW1	22
SW2	23
SW3	24
SW4	25



## Table of Contents (continued)

SW5	26
SW6	27
BG1	28
S5 - 1'	29
S5 - 2'	30
S5 - 3'	31
S5 - 4'	32
QC Summary Data	33
QC - Volatile Organics by EPA 8021B	33
QC - Nonhalogenated Organics by EPA 8015D - GRO	35
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	37
QC - Anions by EPA 300.0/9056A	39
Definitions and Notes	41
Chain of Custody etc.	42

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 06/19/23 08:43
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306099-01A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S1 - 2'	E306099-02A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S1 - 3'	E306099-03A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S1 - 4'	E306099-04A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S2 - 1'	E306099-05A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S2 - 2'	E306099-06A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S2 - 3'	E306099-07A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S2 - 4'	E306099-08A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S3 - 1'	E306099-09A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S3 - 2'	E306099-10A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S3 - 3'	E306099-11A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S3 - 4'	E306099-12A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S4 - 1'	E306099-13A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S4 - 2'	E306099-14A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S4 - 3'	E306099-15A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S4 - 4'	E306099-16A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW1	E306099-17A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW2	E306099-18A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW3	E306099-19A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW4	E306099-20A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW5	E306099-21A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
SW6	E306099-22A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
BG1	E306099-23A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S5 - 1'	E306099-24A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S5 - 2'	E306099-25A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S5 - 3'	E306099-26A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.
S5 - 4'	E306099-27A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S1 - 1'

E306099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		06/13/23	06/13/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		06/13/23	06/13/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	40.5	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
Surrogate: n-Nonane	92.6 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S1 - 2'

E306099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	47.7	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S1 - 3'

E306099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	





## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S1 - 4'

E306099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	93.9 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S2 - 1'

E306099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	95.8 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S2 - 2'

E306099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	91.7 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 3'

E306099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
Surrogate: n-Nonane	93.0 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S2 - 4'

E306099-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	





## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S3 - 1'

E306099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	90.0 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S3 - 2'

E306099-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	93.5 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S3 - 3'

E306099-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		06/13/23	06/13/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		06/13/23	06/13/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S3 - 4'

E306099-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S4 - 1'

E306099-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 - 2'

E306099-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID	92.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane	94.7 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 - 3'

E306099-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 - 4'

E306099-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane	95.6 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

## SW1

## E306099-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	94.7 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2

E306099-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2324022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2324029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane	97.2 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2324036	
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

## SW3

## E306099-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	95.3 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Broadside 12 Facility 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/19/2023 8:43:35AM
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SW4

E306099-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324022
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		06/14/23	06/15/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324036
Chloride	ND	20.0	1	06/14/23	06/15/23	





## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

## SW5

## E306099-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

## SW6

## E306099-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	79.5 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

## BG1

## E306099-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	84.9 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S5 - 1'

E306099-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	59.2 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	





## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S5 - 2'

E306099-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	77.8 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



## Sample Data

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

Project Name: Broadside 12 Facility 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
6/19/2023 8:43:35AM

S5 - 3'

E306099-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	86.1 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	<b>Reported:</b> 6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5 - 4'

E306099-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Benzene	ND	0.0250	1	06/13/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/14/23	
Toluene	ND	0.0250	1	06/13/23	06/14/23	
o-Xylene	ND	0.0250	1	06/13/23	06/14/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2324018
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		06/13/23	06/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/14/23	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		06/14/23	06/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324034
Chloride	ND	20.0	1	06/14/23	06/15/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: SL

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 (2324018-BLK1) Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

LCS (2324018-BS1) Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.6	70-130			
Toluene	4.55	0.0250	5.00		91.0	70-130			
o-Xylene	4.58	0.0250	5.00		91.5	70-130			
p,m-Xylene	8.98	0.0500	10.0		89.8	70-130			
Total Xylenes	13.6	0.0250	15.0		90.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			

Matrix Spike (2324018-MS1) Source: E306097-02 Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.75	0.0250	5.00	ND	95.1	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	61-133			
Toluene	4.90	0.0250	5.00	ND	97.9	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.6	70-130			

Matrix Spike Dup (2324018-MSD1) Source: E306097-02 Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.67	0.0250	5.00	ND	93.3	54-133	1.87	20	
Ethylbenzene	4.56	0.0250	5.00	ND	91.2	61-133	2.12	20	
Toluene	4.80	0.0250	5.00	ND	96.1	61-130	1.91	20	
o-Xylene	4.82	0.0250	5.00	ND	96.3	63-131	1.80	20	
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131	2.20	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.0	63-131	2.07	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324022-BLK1) Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

LCS (2324022-BS1) Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.9	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

Matrix Spike (2324022-MS1) Source: E306099-11 Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133			
Toluene	5.18	0.0250	5.00	ND	104	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2324022-MSD1) Source: E306099-11 Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.92	0.0250	5.00	ND	98.4	54-133	2.73	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.5	61-133	2.73	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	2.75	20	
o-Xylene	4.98	0.0250	5.00	ND	99.7	63-131	2.95	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	2.90	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	2.91	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2324018-BLK1) Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

LCS (2324018-BS2) Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

Matrix Spike (2324018-MS2) Source: E306097-02 Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2324018-MSD2) Source: E306097-02 Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	8.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324022-BLK1) Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

LCS (2324022-BS2) Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2324022-MS2) Source: E306099-11 Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2324022-MSD2) Source: E306099-11 Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130	6.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
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 (2324029-BLK1)					Prepared: 06/14/23 Analyzed: 06/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	50-200			

LCS (2324029-BS1)					Prepared: 06/14/23 Analyzed: 06/14/23				
Diesel Range Organics (C10-C28)	241	25.0	250		96.6	38-132			
Surrogate: n-Nonane	45.6		50.0		91.2	50-200			

Matrix Spike (2324029-MS1)					Source: E306099-17		Prepared: 06/14/23 Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	38-132			
Surrogate: n-Nonane	46.7		50.0		93.4	50-200			

Matrix Spike Dup (2324029-MSD1)					Source: E306099-17		Prepared: 06/14/23 Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	0.822	20	
Surrogate: n-Nonane	45.0		50.0		89.9	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:  6/19/2023 8:43:35AM
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 (2324031-BLK1)					Prepared: 06/14/23 Analyzed: 06/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.5		50.0		69.1	50-200			

LCS (2324031-BS1)					Prepared: 06/14/23 Analyzed: 06/14/23				
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			

Matrix Spike (2324031-MS1)					Source: E306103-01		Prepared: 06/14/23 Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			

Matrix Spike Dup (2324031-MSD1)					Source: E306103-01		Prepared: 06/14/23 Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20	
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/19/2023 8:43:35AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2324034-BLK1)					Prepared: 06/14/23 Analyzed: 06/15/23				
Chloride	ND	20.0							
LCS (2324034-BS1)					Prepared: 06/14/23 Analyzed: 06/15/23				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2324034-MS1)					Source: E306097-01		Prepared: 06/14/23 Analyzed: 06/15/23		
Chloride	3680	40.0	250	3580	40.4	80-120			M2
Matrix Spike Dup (2324034-MSD1)					Source: E306097-01		Prepared: 06/14/23 Analyzed: 06/15/23		
Chloride	3800	40.0	250	3580	84.8	80-120	2.96	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/19/2023 8:43:35AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2324036-BLK1)					Prepared: 06/14/23 Analyzed: 06/15/23				
Chloride	ND	20.0							
LCS (2324036-BS1)					Prepared: 06/14/23 Analyzed: 06/15/23				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2324036-MS1)					Source: E306099-01		Prepared: 06/14/23 Analyzed: 06/15/23		
Chloride	270	20.0	250	ND	108	80-120			
Matrix Spike Dup (2324036-MSD1)					Source: E306099-01		Prepared: 06/14/23 Analyzed: 06/15/23		
Chloride	271	20.0	250	ND	108	80-120	0.231	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:	Broadside 12 Facility 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/19/23 08:43

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

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

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







## Project Information

## Chain of Custody

Page 2 of 3

Client: <u>Pima Environmental Services</u>	Bill To	Lab Use Only	TAT				EPA Program		
Project: <u>Broadside 12 Facility 2</u>	Attention: <u>Devon</u>	Lab WO# <u>E.306099</u>	Job Number <u>01058-0007</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>	Address:	Analysis and Method				RCRA			
Address: <u>5614 N. Lovington Hwy.</u>	City, State, Zip	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
City, State, Zip <u>Hobbs, NM, 88240</u>	Phone:					State			
Phone: <u>580-748-1613</u>	Email:					NM CO UT AZ TX			
Email: <u>tom@pimaoil.com</u>	Pima Project # <u>291-2</u>					Remarks			
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	Remarks
8:50	6/8	S	1	S3-3'	11							X		
9:00				S3-4'	12									
9:05				S4-1'	13									
9:10				S4-2'	14									
9:15				S4-3'	15									
9:20				S4-4'	16									
9:25				SW 1	17									
9:30				SW 2	18									
9:35				SW 3	19									
9:40				SW 4	20									

## Additional Instructions:

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

Sampled by:

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>Ken F. McAdams</u>	Date <u>6/8/23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>6-12-23</u>	Time <u>1:430</u>	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Campbell</u>	Date <u>6-12-23</u>	Time <u>1:30</u>	Received by: (Signature) <u>Andrew Messro</u>	Date <u>6-12-23</u>	Time <u>1:30</u>	
Relinquished by: (Signature) <u>Andrew Messro</u>	Date <u>6-12-23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Caith Mow</u>	Date <u>6/13/23</u>	Time <u>7:30</u>	

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

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

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



## Project Information

## Chain of Custody

Page 3 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: <u>Broadside 12 Facility 2</u>					Attention: <u>Devon</u>		Lab WO# <u>E 306099</u>		Job Number <u>01058 0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method							X			
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip												RCRA
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>291-2</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
9:45	6/8	S	1	SW5	21									X			
9:50			1	SW6	22												
9:55 AM			1	BG 1	23												
Additional Instructions: <u>Billig #21164832</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 5 °C on subsequent days.					
Sampled by:																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
<u>Barime Adams</u> <u>Michelle Conz</u> <u>Andrew Mingo</u>		<u>6/8/23</u> <u>6-12-23</u> <u>6-12-23</u>	<u>6:48</u> <u>1730</u> <u>2300</u>	<u>Michelle Conz</u> <u>Andrew Mingo</u> <u>Cathy Mon</u>		<u>6-12-23</u> <u>6-12-23</u> <u>6/13/23</u>	<u>1430</u> <u>1730</u> <u>7:30</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

## Envirotech Analytical Laboratory

Printed: 6/13/2023 9:50:41AM

## 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:	06/13/23 07:30	Work Order ID:	E306099
Phone:	(575) 631-6977	Date Logged In:	06/13/23 08:44	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/19/23 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: CourierComments/Resolution

Received 4 extra samples that were not listed on the COC. Client asked to add samples and run them. No sample times for the extra samples received. White out present on COC.

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.



## Project Information

## Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: <u>Broadside 12 Facility 2</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>291-2</u>					Lab Use Only Lab WO# <u>E-306099</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
														RCRA State NM CO UT AZ TX						
														BGDOC NM BGDOC TX						
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0									
8:00	6/8	S	1	S1-1'	1															
8:05				S1-2'	2															
8:10				S1-3'	3															
8:15				S1-4'	4															
8:20				S2-1'	5															
8:25				S2-2'	6															
8:30				S2-3'	7															
8:35				S2-4'	8															
8:40				S3-1'	9															
8:45				S3-2'	10															
Additional Instructions: <u>Billings # 211 648 32</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 Adams</u> Date <u>6/12/23</u> Time <u>230</u> Received by: (Signature) <u>Michelle Camps</u> Date <u>6-12-23</u> Time <u>1430</u>																				
Relinquished by: (Signature) <u>Michelle Camps</u> Date <u>6-12-23</u> Time <u>1730</u> Received by: (Signature) <u>Andrew Moss</u> Date <u>6-12-23</u> Time <u>1730</u>																				
Relinquished by: (Signature) <u>Andrew Moss</u> Date <u>6-12-23</u> Time <u>2300</u> Received by: (Signature) <u>Cathy Mann</u> Date <u>6/13/23</u> Time <u>7:30</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Project Information

## Chain of Custody

Page 2 of 3

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Broadside 12 Facility 2</u>		Attention: <u>Devon</u>		Lab WO# <u>E306099</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method									
Address: 5614 N. Lovington Hwy.		City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:											
Phone: 580-748-1613		Email:											
Email: tom@pimaoil.com		Pima Project # <u>291-2</u>											
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	Remarks
8:50	6/8	S	1	S3-3'	11							X		
9:00				S3-4'	12									
9:05				S4-1'	13									
9:10				S4-2'	14									
9:15				S4-3'	15									
9:20				S4-4'	16									
9:25				SW 1	17									
9:30				SW 2	18									
9:35				SW 3	19									
9:40				SW 4	20									

Additional Instructions: <u>Bill # 21164832</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>Kerime Adams</u>		Date <u>6/8/23</u>	Time <u>230</u>	Received by: (Signature) <u>Michelle Cangel</u>	
Relinquished by: (Signature) <u>Michelle Cangel</u>		Date <u>6-12-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Messo</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>		Date <u>6-12-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Caitlin Mow</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		Lab Use Only	
				Received on ice: <u>Y</u> N	
				T1 T2 T3	
				AVG Temp °C <u>4</u>	
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.					


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## Project Information

## Chain of Custody

Page 3 of 3

Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Broadside 12 Facility</u>		Attention: <u>Devon</u>		Lab WO# <u>E300099</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method									
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip											RCRA
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>291-2</u>											
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	Remarks
9:45	6/8	S	1	SW5	21							X		
9:50				SW6	22									
9:55 <sup>Am</sup>				BG 1	23									
				S5-1'	24									
				S5-2'	25									
				S5-3'	26									
				S5-4'	27									

## Additional Instructions:

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

Sampled by:

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>Barrie Adams</u>	Date <u>6/12/23</u>	Time <u>6:30</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-12-23</u>	Time <u>1430</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-12-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Mueso</u>	Date <u>6-12-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Andrew Mueso</u>	Date <u>6-12-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Caitlin Mon</u>	Date <u>6/13/23</u>	Time <u>7:30</u>	

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

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

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


**envirotech**



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Broadside 12 CTB 2

Work Order: E406001

Job Number: 01058-0007

Received: 6/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/6/24

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: 6/6/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Broadside 12 CTB 2  
Workorder: E406001  
Date Received: 6/3/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2024 8:00:00AM, under the Project Name: Broadside 12 CTB 2.

The analytical test results summarized in this report with the Project Name: Broadside 12 CTB 2 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)

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**Southern New Mexico Area**

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**Michelle Golzaes**  
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Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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



## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1-1'	6
CS1-2'	7
CS2-1'	8
CS2-2'	9
CS3-1'	10
CS3-2'	11
CS4-1'	12
CS4-2'	13
CS5-1'	14
CS5-2'	15
CSW1	16
CSW2	17
CSW3	18
CSW4	19
CSW5	20
CSW6	21
QC Summary Data	22
QC - Volatile Organics by EPA 8021B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

## Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/06/24 14:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-1'	E406001-01A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS1-2'	E406001-02A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS2-1'	E406001-03A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS2-2'	E406001-04A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS3-1'	E406001-05A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS3-2'	E406001-06A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS4-1'	E406001-07A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS4-2'	E406001-08A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS5-1'	E406001-09A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CS5-2'	E406001-10A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW1	E406001-11A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW2	E406001-12A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW3	E406001-13A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW4	E406001-14A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW5	E406001-15A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.
CSW6	E406001-16A	Soil	05/31/24	06/03/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CS1-1'

## E406001-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS1-2'  
E406001-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
Surrogate: n-Nonane	96.8 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CS2-1'

## E406001-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	93.2 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CS2-2'

## E406001-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-1'  
E406001-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
Surrogate: n-Nonane	102 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	





## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

CS3-2'

E406001-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4-1'  
E406001-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

CS4-2'

E406001-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.4 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.2 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
<i>Surrogate: n-Nonane</i>	106 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS5-1'  
E406001-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.8 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/05/24	
Surrogate: n-Nonane	107 %	50-200		06/04/24	06/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS5-2'  
E406001-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.6 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane	110 %	50-200		06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1

E406001-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane	107 %	50-200		06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CSW2

## E406001-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/03/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/03/24	
Toluene	ND	0.0250	1	06/03/24	06/03/24	
o-Xylene	ND	0.0250	1	06/03/24	06/03/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/03/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.1 %	70-130		06/03/24	06/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CSW3

## E406001-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/04/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/04/24	
Toluene	ND	0.0250	1	06/03/24	06/04/24	
o-Xylene	ND	0.0250	1	06/03/24	06/04/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/04/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.3 %	70-130	06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	





## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CSW4

## E406001-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/04/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/04/24	
Toluene	ND	0.0250	1	06/03/24	06/04/24	
o-Xylene	ND	0.0250	1	06/03/24	06/04/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/04/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.1 %	70-130	06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	<b>Reported:</b> 6/6/2024 2:38:24PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW5

E406001-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Benzene	ND	0.0250	1	06/03/24	06/04/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/04/24	
Toluene	ND	0.0250	1	06/03/24	06/04/24	
o-Xylene	ND	0.0250	1	06/03/24	06/04/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/04/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/04/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2423011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2423046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
Surrogate: n-Nonane	106 %	50-200		06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2423018	
Chloride	ND	20.0	1	06/03/24	06/03/24	



## Sample Data

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

Project Name: Broadside 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
6/6/2024 2:38:24PM

## CSW6

## E406001-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Benzene	ND	0.0250	1	06/03/24	06/04/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/04/24	
Toluene	ND	0.0250	1	06/03/24	06/04/24	
o-Xylene	ND	0.0250	1	06/03/24	06/04/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/04/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423011
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		06/03/24	06/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423046
Diesel Range Organics (C10-C28)	ND	25.0	1	06/04/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/04/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		06/04/24	06/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2423018
Chloride	ND	20.0	1	06/03/24	06/03/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/6/2024 2:38:24PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2423011-BLK1) Prepared: 06/03/24 Analyzed: 06/03/24

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	7.45		8.00		93.1	70-130			

LCS (2423011-BS1) Prepared: 06/03/24 Analyzed: 06/03/24

Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.49	0.0250	5.00		89.8	70-130			
o-Xylene	4.39	0.0250	5.00		87.9	70-130			
p,m-Xylene	9.00	0.0500	10.0		90.0	70-130			
Total Xylenes	13.4	0.0250	15.0		89.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			

LCS Dup (2423011-BSD1) Prepared: 06/03/24 Analyzed: 06/03/24

Benzene	4.71	0.0250	5.00		94.2	70-130	3.36	20	
Ethylbenzene	4.56	0.0250	5.00		91.1	70-130	3.21	20	
Toluene	4.64	0.0250	5.00		92.8	70-130	3.29	20	
o-Xylene	4.53	0.0250	5.00		90.6	70-130	3.05	20	
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130	2.93	20	
Total Xylenes	13.8	0.0250	15.0		92.0	70-130	2.97	20	
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/6/2024 2:38:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423011-BLK1) Prepared: 06/03/24 Analyzed: 06/03/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

LCS (2423011-BS2) Prepared: 06/03/24 Analyzed: 06/03/24

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.05		8.00		101	70-130			

LCS Dup (2423011-BSD2) Prepared: 06/03/24 Analyzed: 06/03/24

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.1	70-130	2.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/6/2024 2:38:24PM

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 (2423046-BLK1)					Prepared: 06/04/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS (2423046-BS1)					Prepared: 06/04/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS Dup (2423046-BSD1)					Prepared: 06/04/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132	3.60	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Broadside 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/6/2024 2:38:24PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2423018-BLK1)					Prepared: 06/03/24 Analyzed: 06/03/24				
Chloride	ND	20.0							
LCS (2423018-BS1)					Prepared: 06/03/24 Analyzed: 06/03/24				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2423018-BSD1)					Prepared: 06/03/24 Analyzed: 06/03/24				
Chloride	255	20.0	250		102	90-110	0.368	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:	Broadside 12 CTB 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/06/24 14:38

- 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 2

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: BroadSide 12 CTB 2					Attention: <u>Devin</u>		Lab WO# <u>E 4012001</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gio Gomez					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 806-782-1151					Email:											
Email: gio@pimaoil.com					Pima Project # <u>1-291-2</u>											
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	Remarks
8:06	5/31	S		CS1-1'	1							X		
8:11				CS1-2'	2									
8:17				CS2-1'	3									
8:22				CS2-2'	4									
8:30				CS3-1'	5									
8:41				CS3-2'	6									
8:52				CS4-1'	7									
9:11				CS4-2'	8									
9:20				CS5-1'	9									
9:31				CS5-2'	10									

Additional Instructions: B# 21164832

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

Relinquished by: (Signature) Karime Adams Date 5/31/24 Time

Received by: (Signature) Jane Date 5-31-24 Time 1155

Relinquished by: (Signature) Jane Date 6-1-24 Time 1620

Received by: (Signature) Roxie Schwan Date 6/3/24 Time 8:00

Relinquished by: (Signature)  Date  Time

Received by: (Signature)  Date  Time

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.

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.



## Project Information

## Chain of Custody

Page 2 of 2

<b>Client: Pima Environmental Services</b> <b>Project: Broadside 12 CTBZ</b> <b>Project Manager: Gio Gomez</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM. 88240</b> <b>Phone: 806-782-1151</b> <b>Email: gio@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 1-291-2</b>					<b>Lab Use Only</b> <b>Lab WO# E 406001</b> <b>Job Number 01058-0007</b>					<b>TAT</b> <b>1D 2D 3D Standard</b>				<b>EPA Program</b> <b>CWA SDWA</b>	
<b>Analysis and Method</b>										<b>RCRA</b>		<b>State</b> <b>NM CO UT AZ TX</b>								
<b>Remarks</b>										<b>DRO/DRO by 8015</b> <b>GRO/DRO by 8015</b> <b>BTEX by 8021</b> <b>VOC by 8260</b> <b>Metals 6010</b> <b>Chloride 300.0</b> <b>BGDOC NM</b> <b>BGDOC TX</b>										
<b>Time Sampled</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>No. of Containers</b>	<b>Sample ID</b>	<b>Lab Number</b>															
9:40	5/31	S		CSW1	11															
9:47				CSW2	12															
9:53				CSW3	13															
9:58				CSW4	14															
10:12				CSW5	15															
10:21				CSW6	16															
<b>Additional Instructions:</b> B# 21104832																				
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 5 °C on subsequent days.										
<b>Relinquished by: (Signature)</b> <i>Kerina Adams</i> <b>Date</b> 5/31/24 <b>Time</b>										<b>Received by: (Signature)</b> <i>Janet</i> <b>Date</b> 5-31-24 <b>Time</b> 1155										
<b>Relinquished by: (Signature)</b> <i>Janet</i> <b>Date</b> 6-1-24 <b>Time</b> 1620										<b>Received by: (Signature)</b> <i>Kerina Adams</i> <b>Date</b> 6/1/24 <b>Time</b> 8:00										
<b>Relinquished by: (Signature)</b>										<b>Received by: (Signature)</b>										
<b>Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</b>										<b>Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA</b>										
<b>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.</b>																				

## Envirotech Analytical Laboratory

Printed: 6/3/2024 4:56:56PM

## 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:	06/03/24 08:00	Work Order ID:	E406001
Phone:	(575) 631-6977	Date Logged In:	06/03/24 08:04	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	06/05/24 17:00 (2 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? 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: CourierComments/Resolution

Number of containers not marked on COC.

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 Instruction

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

Date



envirotech Inc.

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

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

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

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 354300

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 354300
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2312824558
Incident Name	NAPP2312824558 BROADSIDE 12 CTB 2 @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BROADSIDE 12 CTB 2
Date Release Discovered	05/07/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure   Other (Specify)   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	Received call from 3rd party reporting leaking and spraying from LACT pump skid. Show down the LACT and isolated valves. Shut down compressor and shut in wells to stop leak. Contacted Plains pipeline and reported issue.



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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 354300

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	354300
	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)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
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@dmv.com Date: 06/14/2024
--	--

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

QUESTIONS, Page 3

Action 354300

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 354300
	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)	47.7
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	40.5
GRO+DRO (EPA SW-846 Method 8015M)	40.5
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	06/07/2024
On what date will (or did) the final sampling or liner inspection occur	06/07/2024
On what date will (or was) the remediation complete(d)	06/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 354300

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 354300
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	<i>analytical results are below OCD action levels</i>
<i>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>	
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: 06/14/2024
<i>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.</i>	

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QUESTIONS, Page 5  
  
Action 354300

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 354300
	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 354300

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	354300
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	348565
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2024
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	1354

**Remediation Closure Request**

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

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

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: 06/14/2024
--	--

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QUESTIONS, Page 7  
  
Action 354300

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
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	354300
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 354300

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 354300
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/12/2024