

SNAPPING 12 CTB 2

12/12/2023

OCD incident nAPP2334722258

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>364.657</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>15.194</u>
Barrels of Soil Impacted	<u>2.71</u>
Soil Type	Clay
Barrels of Oil Assuming 100% Saturation	<u>0.27</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.27
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>300</u>	<u>2.200</u>
Standing fluid	<u>9.804</u>
<b><u>Total fluids spilled</u></b>	<b><u>10.075</u></b>



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

January 4, 2024

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

**Re: Site Characteristic and Remediation Plan Report**  
**Snapping 12 CTB 2**  
**API No. N/A**  
**GPS: Latitude 32.060005 Longitude -103.734905**  
**UL –F Section 12, T26S, R31E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2334722258**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Characteristic and Remediation Plan Report for an Oil release that occurred at the Snapping 12 CTB 2 (Snapping). The initial C-141 was submitted on December 15, 2023 (Appendix C). This incident was assigned Incident ID NAPP2334722258 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Snapping is located approximately twenty-two (22) miles southeast of Jal, NM. This spill site is in Unit F, Section 12, Township 26S, Range 31E, 32.060005 Longitude -103.734905, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a high potential for karst geology to be present around the Snapping (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 335 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 275 feet BGS. The closest waterway is the Red Bluff Reservoir located approximately 14 miles to the southwest of this location. See Appendix A for referenced water surveys.

**Table 1 NMAC and Closure Criteria 19.15.29**

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

Reference Figure 2 for a Topographic Map.

Snapping 12 CTB 2 | [Devon Energy](#)

**Release Information**

**NAPP2334722258:** On December 12, 2023, operator found oil around the LACT and containment wall. The seal went out on the LACT causing the spill. The inlet and outlet valves on the LACT skid were shut to isolate and stop the leak. The released fluids were calculated to be approximately 10.1 barrels (bbls) of oil. A vacuum truck was able to recover 10 bbls of standing fluid.

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

On December 14, 2023, Pima mobilized personnel to the site to begin collecting soil samples from the 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.

12-14-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)								
DEVON ENERGY Snapping 12 CTB 2								
Date: 12-14-2023		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
S1	1'	164	4.95	2020	16900	3190	22278.95	48.1
	2'	4.31	ND	148	1680	394	2226.31	ND
	3'	0.0685	ND	ND	182	75.1	257.1685	44.9
	4'	0.305	0.07	ND	ND	ND	0.375	30.1
S2	1'	11.5	0.058	240	2810	539	3600.558	22
	2'	1.31	ND	80.7	1100	230	1412.01	ND
	3'	0.065	ND	ND	221	75.2	296.265	40.9
	4'	0.423	0.0995	ND	ND	ND	0.5225	28.3
S3	1'	336	10.6	3400	35500	5940	45186.6	ND
	2'	0.145	ND	ND	845	192	1037.145	ND
	3'	ND	ND	ND	221	67.4	288.4	38.8
	4'	ND	ND	ND	ND	ND	0	21.7
S4	1'	ND	ND	ND	30.1	ND	30.1	58.8
	2'	11.2	ND	193	3010	537	3751.2	ND
	3'	ND	ND	ND	287	86.7	373.7	39
	4'	ND	ND	ND	ND	ND	0	20.9
S5	1'	224	5.9	2300	24100	4020	30649.9	ND
	2'	9.21	ND	235	1910	346	2500.21	ND
	3'	0.11	0.032	ND	ND	ND	0.142	30.7
	4'	0.167	ND	ND	ND	ND	0.167	26.2
S6	1'	0.154	ND	ND	402	88.5	490.654	21
	2'	16.9	ND	308	2710	604	3638.9	ND
	3'	ND	ND	ND	ND	ND	0	40.4
	4'	0.182	ND	ND	ND	ND	0.182	31.1
SW1	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW2	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW3	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW4	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW5	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW6	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW7	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW8	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW9	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW10	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
SW11	Surface	ND	ND	ND	ND	ND	0	ND
	(0-6")	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

**Remediation Work Plan**

On behalf of Devon, Pima proposes to remediate this area by the following method:

1. Submit a one-call through the NM811 system.
2. This is an active pad site that is still needed for drilling, producing, storing, disposing, injecting, transporting, servicing, or processing of crude oil and/or natural gas and their by-products.
3. We propose to excavate the affected area using mechanical and hand equipment. Site Map can be found in figure 4.
4. The estimated volume of soil to be remediated is approximately 472 cubic yards. This is based on a 200 square foot area with an average depth of 3' bgs.
5. After Devon submits a 48-hour notification, we will collect a 5-point composite sample from the excavated area in red on the Horizontal Delineation Map found in Figure 5. These sample points will include S1–S6, SW1–SW11
6. A total final of 5 composite samples will be collected, jarred, and delivered to the lab for official testing.
7. Upon final receipt of lab reports showing contamination levels are under the regulatory limits of Table 1 NMAC 19.15.29, and complete delineation horizontally, a new closure report will be drafted and submitted to the NMOCD portal for review and approval.

On behalf of Devon, Pima would like to request approval of this remediation work plan. Work can begin within 30 days of approval, contingent upon personnel and equipment scheduling.

For questions or additional information, please feel free to contact:

Devon -Dale Woodall at 575-748-1838 or Dale.Woodall@dvn.com.

Pima Environmental Services-Gio Gomez at 806-782-1151 or [gio@pimaoil.com](mailto:gio@pimaoil.com).

Respectfully,



Gio Gomez

Project Manager

Pima Environmental Services, LLC

**Attachments**

Figures:

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

Appendices:

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



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**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

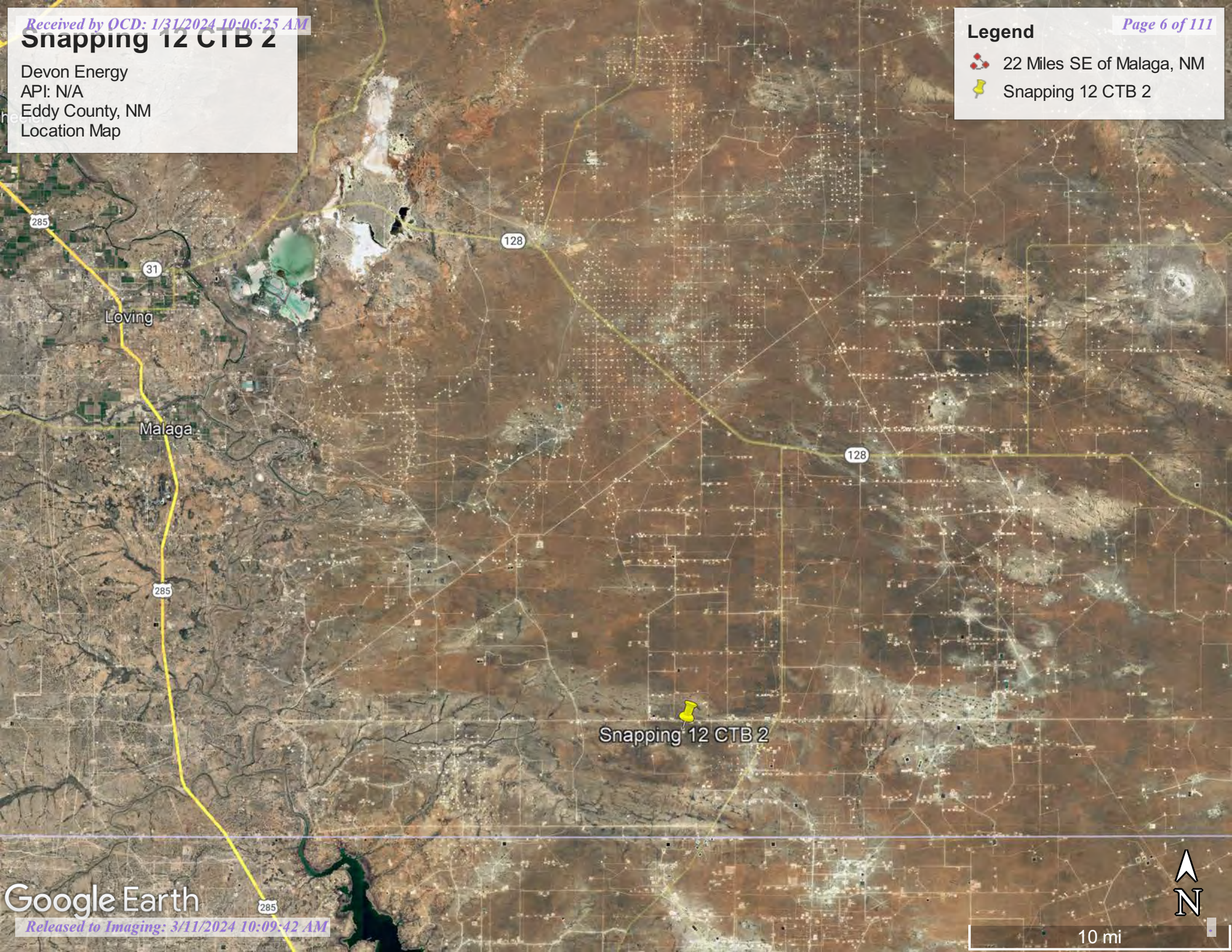


# Snapping 12 CTB 2

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

## Legend

-  22 Miles SE of Malaga, NM
-  Snapping 12 CTB 2




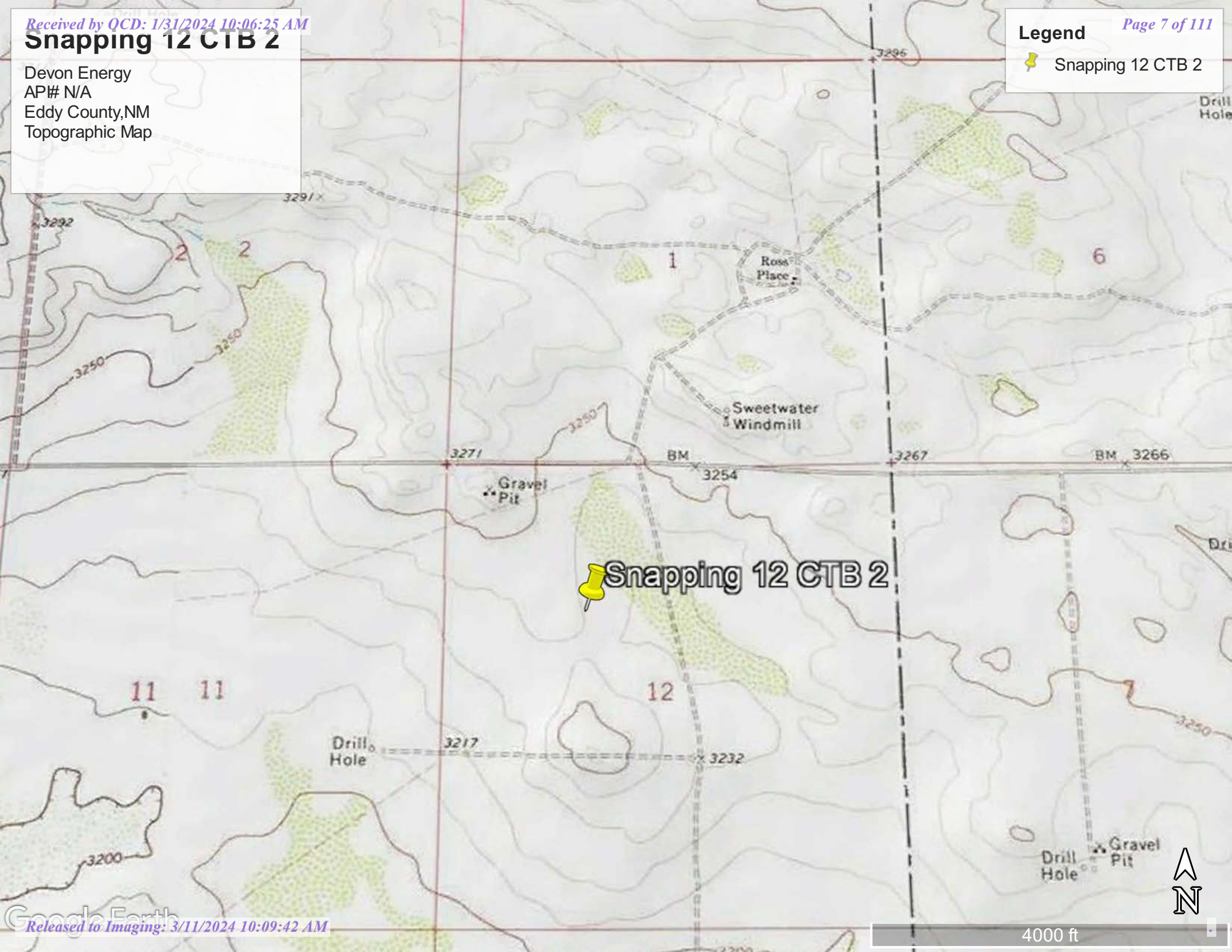


# Snapping 12 CTB 2

Devon Energy  
AP# N/A  
Eddy County, NM  
Topographic Map

## Legend





 Snapping 12 CTB 2

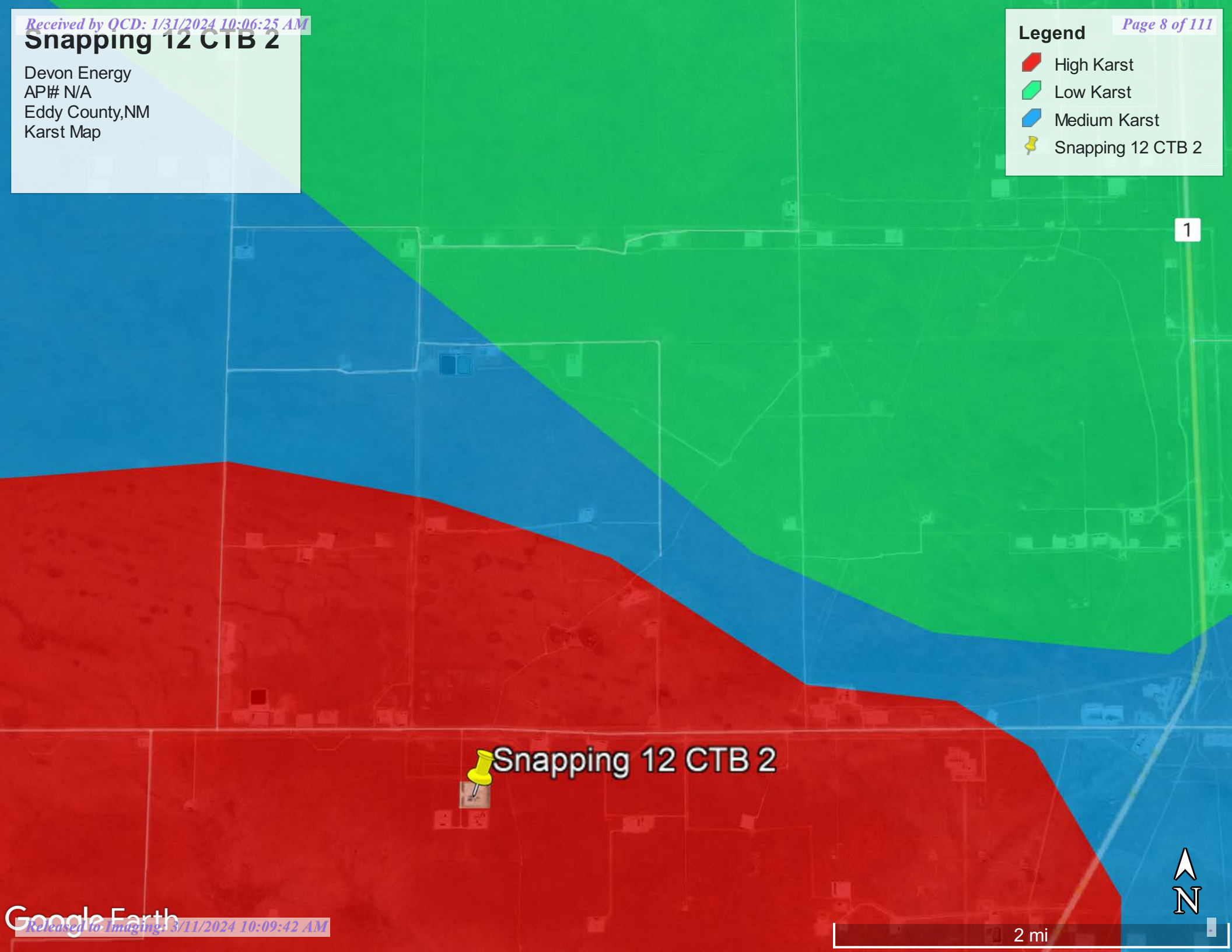


# Snapping 12 CTB 2

Devon Energy  
AP# N/A  
Eddy County, NM  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Snapping 12 CTB 2










# Snapping 12 CTB 2

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

## Legend

-  Samples
-  Sidewalls/Backgrounds
-  Snapping 12 CTB 2
-  Spill Area 4,256 Sq Ft

 Snapping 12 CTB 2

SW1  
S1  
SW2  
SW3  
S2  
SW11  
S3  
SW4  
BG1  
S4  
SW10  
SW5  
S5  
SW6  
S6  
SW7  
SW8  
SW9



100 ft



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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 02090</a>		C	ED	4	4	01	26S	31E		620329	3548533*	1171	350	335	15
<a href="#">C 04637 POD1</a>		CUB	ED	4	4	3	02	26S	31E	618068	3548423	1495	51		
<a href="#">C 04209 POD2</a>		C	LE	2	3	3	06	26S	32E	620818	3548657	1642	340	155	185
<a href="#">C 03639 POD1</a>		CUB	ED	3	4	2	01	26S	31E	620168	3549279	1665	700	365	335
<a href="#">C 04209 POD1</a>		CUB	LE	2	3	3	06	26S	32E	620903	3548619	1696	360	155	205
<a href="#">C 03554 POD2</a>		CUB	ED	2	2	4	01	26S	31E	620527	3549105	1716	650	355	295
<a href="#">C 04256 POD1</a>		C	ED	4	4	2	01	26S	31E	620384	3549257	1753	666	340	326
<a href="#">C 03554 POD1</a>		CUB	ED	2	1	4	01	26S	31E	620547	3549148	1763	630	300	330
<a href="#">C 03829 POD1</a>		CUB	LE	3	3	1	06	26S	32E	620628	3549186	1844	646	350	296
<a href="#">C 04700 POD1</a>		CUB	ED	2	1	2	10	26S	31E	616736	3548154	2710			

Average Depth to Water: **294 feet**  
Minimum Depth: **155 feet**  
Maximum Depth: **365 feet**

**Record Count:** 10

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 619422.18

**Northing (Y):** 3547791.13

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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

12/14/23 3:09 PM




WATER COLUMN/ AVERAGE DEPTH TO WATER

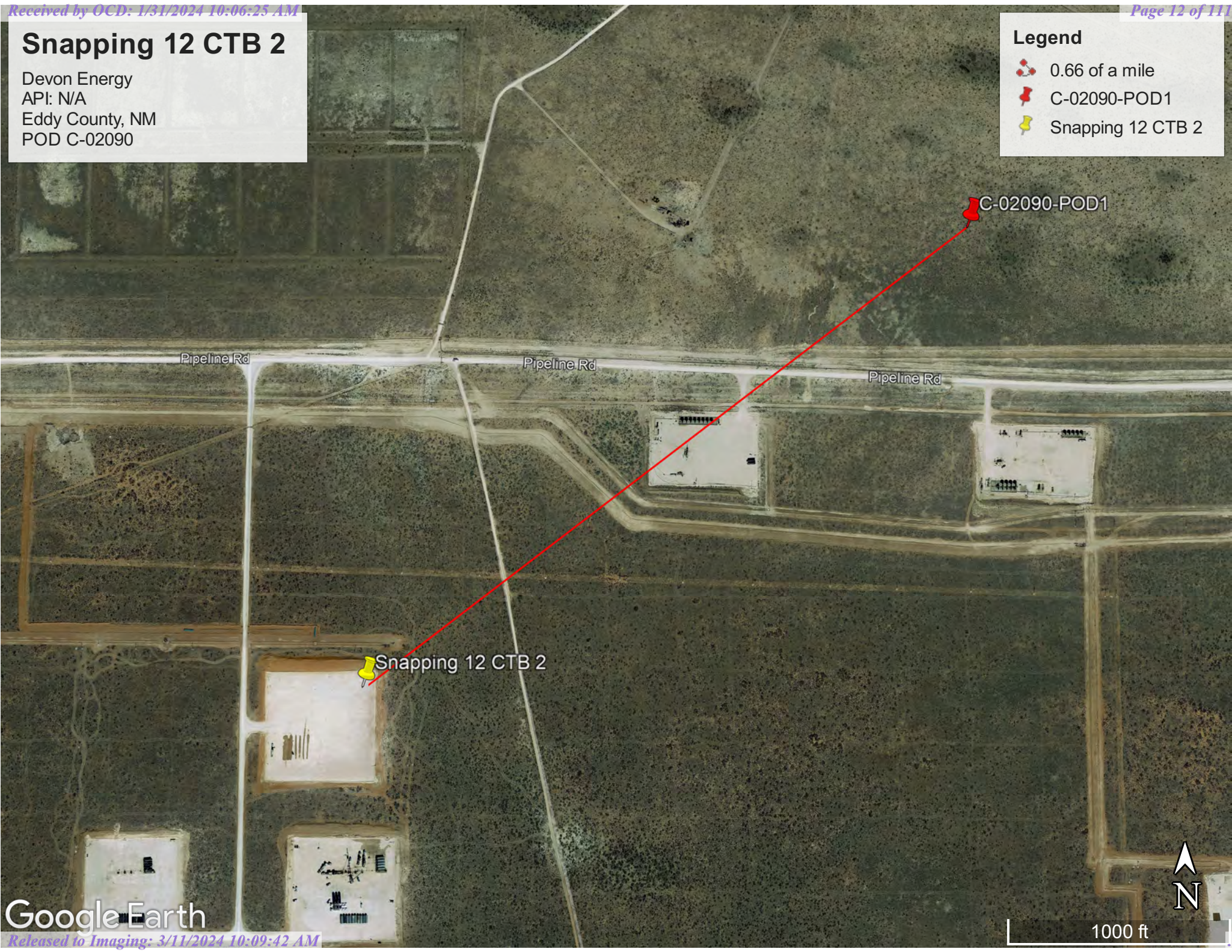


## Snapping 12 CTB 2

Devon Energy  
API: N/A  
Eddy County, NM  
POD C-02090

### Legend

-  0.66 of a mile
-  C-02090-POD1
-  Snapping 12 CTB 2







[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 =

- 320330103462401

Minimum number of levels = 1

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

### USGS 320330103462401 26S.31E.08.321434

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°03'30", Longitude 103°46'24" NAD27

Land-surface elevation 3,251 feet above NAVD88

The depth of the well is 380 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

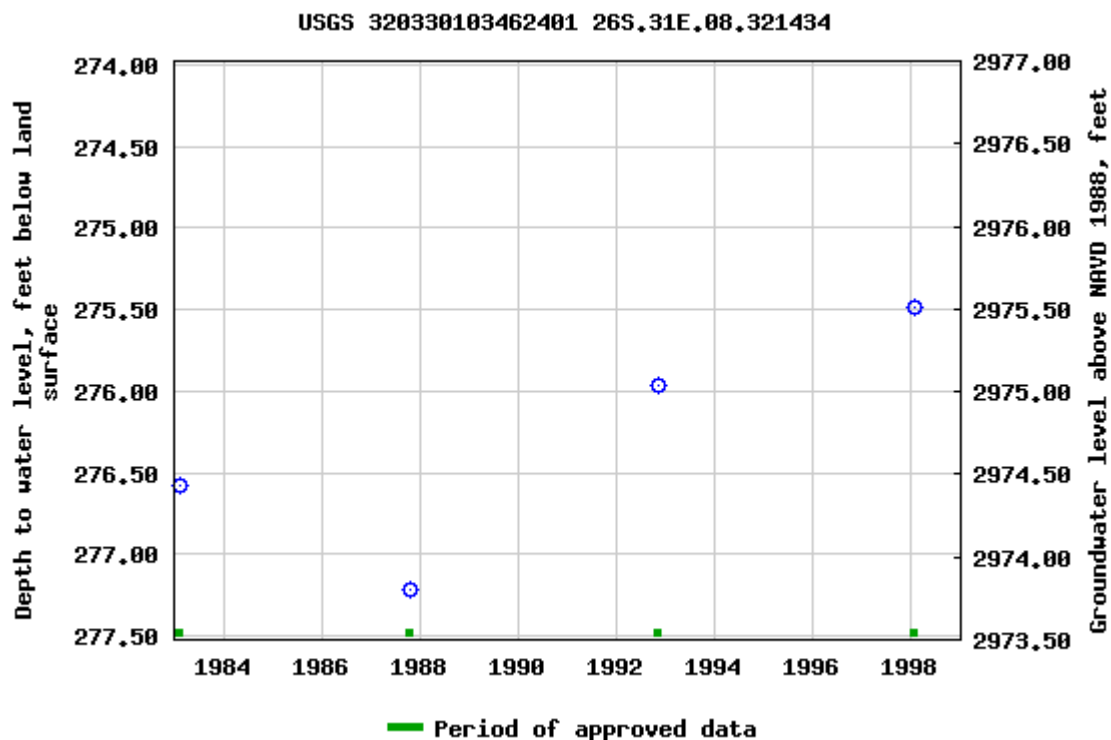
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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[Privacy](#)

[Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2023-12-14 16:54:32 EST

0.71 0.63 nadww01



## Snapping 12 CTB 2

Devon Energy  
API: N/A  
Eddy County, NM  
USGS 320330103462401

### Legend

- 2.21 miles
- Snapping 12 CTB 2
- USGS 320330103462401

USGS 320330103462401

Snapping 12 CTB 2

Google Earth





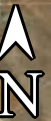
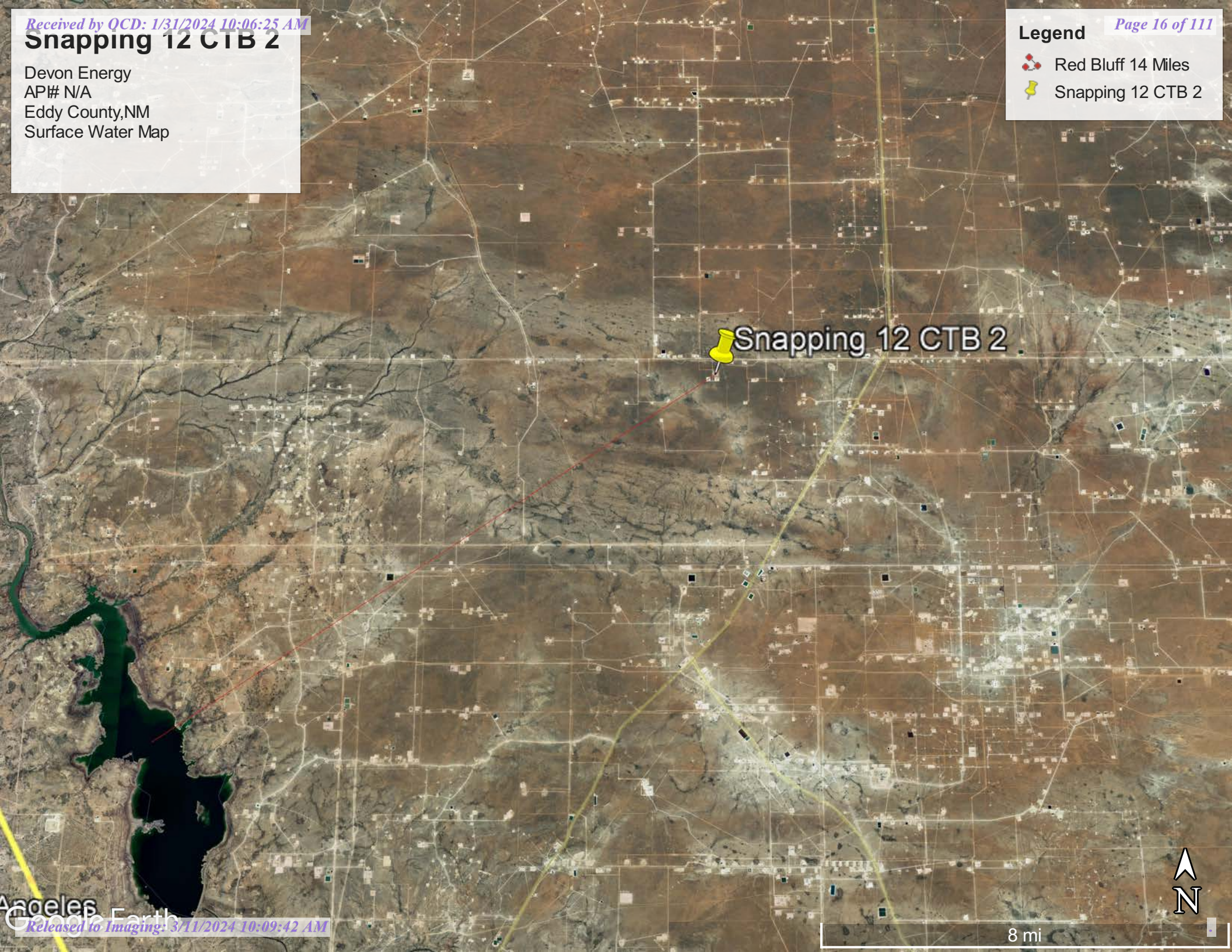
1 mi



# Snapping 12 CTB 2

Devon Energy  
API# N/A  
Eddy County, NM  
Surface Water Map

-  Red Bluff 14 Miles
-  Snapping 12 CTB 2



8 mi





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map



Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### BA—Berino loamy fine sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w42

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

*Mean annual precipitation:* 6 to 14 inches

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

*Frost-free period:* 180 to 260 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 99 percent

*Minor components:* 1 percent

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

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Convex

*Across-slope shape:* Linear

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

##### Typical profile

*H1 - 0 to 12 inches:* loamy fine sand

*H2 - 12 to 58 inches:* sandy clay loam

*H3 - 58 to 60 inches:* 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

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

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

*Hydrologic Soil Group:* B  
*Ecological site:* R070BC007NM - Loamy  
*Hydric soil rating:* No

#### **Minor Components**

##### **Pajarito**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BD003NM - Loamy Sand  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 19, Sep 7, 2023



# National Flood Hazard Layer FIRMMette



103°44'24"W 32°3'53"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		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
	Coastal Transect Baseline	
MAP PANELS		Profile Baseline
		Hydrographic Feature
		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 6/24/2022 at 12:21 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.





December 14, 2023

Wetlands

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

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



Pima Environmental Services

**Appendix C**

C-141 Form

SNAPPING 12 CTB 2

12/12/2023

OCD incident nAPP2334722258

<b>Spill Volume(Bbls) Calculator</b>	
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**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 293886

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 293886
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2334722258
Incident Name	NAPP2334722258 SNAPPING 12 CTB 2 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAB1922153543] SNAPPING 12 CTB 2

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

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   Pump   Crude Oil   Released: 10 BBL   Recovered: 10 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Operator found oil around the LACT and containment wall. The seal went out on the LACT causing the spill. The inlet and outlet valves on the LACT skid were shut to isolate and stop the leak. 10.1 bbls spilled. 10 bbls recovered. Spill impacted the pad.

**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, Page 2

Action 293886

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 293886
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 12/13/2023
--	--



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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, Page 3

Action 293886

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 293886
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
<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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

**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	No
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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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 293886

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 293886
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/15/2023





Pima Environmental Services

## **Appendix D**

Photographic Documentation



## SITE PHOTOGRAPHS

### DEVON ENERGY

#### Snapping 12 CTB 2

#### 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: Snapping 12 CTB 2

Work Order: E312119

Job Number: 01058-0007

Received: 12/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/29/23

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: 12/29/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Snapping 12 CTB 2  
Workorder: E312119  
Date Received: 12/18/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2023 7:30:00AM, under the Project Name: Snapping 12 CTB 2.

The analytical test results summarized in this report with the Project Name: Snapping 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  
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**Southern New Mexico Area**

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/23 10:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E312119-01A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S1-2'	E312119-02A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S1-3'	E312119-03A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S1-4'	E312119-04A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S2-1'	E312119-05A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S2-2'	E312119-06A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S2-3'	E312119-07A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S2-4'	E312119-08A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S3-1'	E312119-09A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S3-2'	E312119-10A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S3-3'	E312119-11A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S3-4'	E312119-12A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S4-1'	E312119-13A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S4-2'	E312119-14A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S4-3'	E312119-15A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S4-4'	E312119-16A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S5-1'	E312119-17A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S5-2'	E312119-18A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S5-3'	E312119-19A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S5-4'	E312119-20A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S6-1'	E312119-21A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S6-2'	E312119-22A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S6-3'	E312119-23A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
S6-4'	E312119-24A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW1-Surface	E312119-25A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW1-6"	E312119-26A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW2-Surface	E312119-27A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW2-6"	E312119-28A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW3-Surface	E312119-29A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW3-6"	E312119-30A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW4-Surface	E312119-31A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW4-6"	E312119-32A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW5-Surface	E312119-33A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW5-6"	E312119-34A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW6-Surface	E312119-35A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW6-6"	E312119-36A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW7-Surface	E312119-37A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW7-6"	E312119-38A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW8-Surface	E312119-39A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW8-6"	E312119-40A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.



Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/23 10:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW9	E312119-41A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW9	E312119-42A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW10	E312119-43A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW10	E312119-44A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW11	E312119-45A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
SW11	E312119-46A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.
BG1	E312119-47A	Soil	12/14/23	12/18/23	Glass Jar, 2 oz.





## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 12/29/2023 10:09:55AM
---	---	---

S1-1'

E312119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	4.95	1.25	50	12/18/23	12/27/23	
Ethylbenzene	10.3	1.25	50	12/18/23	12/27/23	
Toluene	80.3	1.25	50	12/18/23	12/27/23	
o-Xylene	31.5	1.25	50	12/18/23	12/27/23	
p,m-Xylene	133	2.50	50	12/18/23	12/27/23	
Total Xylenes	164	1.25	50	12/18/23	12/27/23	
Surrogate: Bromofluorobenzene	113 %	70-130		12/18/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		12/18/23	12/27/23	
Surrogate: Toluene-d8	109 %	70-130		12/18/23	12/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	2020	1000	50	12/18/23	12/27/23	
Surrogate: Bromofluorobenzene	113 %	70-130		12/18/23	12/27/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		12/18/23	12/27/23	
Surrogate: Toluene-d8	109 %	70-130		12/18/23	12/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	16900	1250	50	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	3190	2500	50	12/20/23	12/21/23	
Surrogate: n-Nonane	910 %	50-200		12/20/23	12/21/23	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	48.1	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S1-2'

E312119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	<b>0.188</b>	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.392</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>0.994</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>3.31</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>4.31</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	118 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	108 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	<b>148</b>	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	118 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	108 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	<b>1680</b>	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	<b>394</b>	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	113 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	ND	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S1-3'

E312119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	0.0275	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.0685	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.0685	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	108 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	108 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	182	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	75.1	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	86.0 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	44.9	20.0	1	12/20/23	12/20/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	<b>Reported:</b> 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1-4'

E312119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	0.0700	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	0.406	0.0250	1	12/18/23	12/20/23	
o-Xylene	0.0525	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.252	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.305	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	110 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	106 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	110 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	106 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane	83.9 %	50-200		12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	30.1	20.0	1	12/20/23	12/20/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported: 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-1'

E312119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	0.0580	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	0.541	0.0250	1	12/18/23	12/20/23	
Toluene	0.898	0.0250	1	12/18/23	12/20/23	
o-Xylene	2.67	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	8.82	0.0500	1	12/18/23	12/20/23	
Total Xylenes	11.5	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	123 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	113 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	240	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	123 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	113 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	2810	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	539	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane	134 %	50-200		12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	22.0	20.0	1	12/20/23	12/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported: 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-2'

E312119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351019	
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	0.0575	0.0250	1	12/18/23	12/20/23	
Toluene	0.187	0.0250	1	12/18/23	12/20/23	
o-Xylene	0.324	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.989	0.0500	1	12/18/23	12/20/23	
Total Xylenes	1.31	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	116 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351019	
Gasoline Range Organics (C6-C10)	80.7	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	116 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351056	
Diesel Range Organics (C10-C28)	1100	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	230	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane	95.1 %	50-200		12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2351064	
Chloride	ND	20.0	1	12/20/23	12/20/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S2-3'

E312119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.0650	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.0650	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	221	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	75.2	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		83.2 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	40.9	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S2-4'

E312119-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	0.0995	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	0.0350	0.0250	1	12/18/23	12/20/23	
Toluene	0.560	0.0250	1	12/18/23	12/20/23	
o-Xylene	0.0780	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.345	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.423	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	107 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	107 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane	78.3 %	50-200		12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	28.3	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S3-1'

E312119-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	10.6	0.500	20	12/18/23	12/20/23	
Ethylbenzene	23.0	0.500	20	12/18/23	12/20/23	
Toluene	175	0.500	20	12/18/23	12/20/23	
o-Xylene	65.4	0.500	20	12/18/23	12/20/23	
p,m-Xylene	271	1.00	20	12/18/23	12/20/23	
Total Xylenes	336	0.500	20	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	110 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	109 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	3400	400	20	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	110 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	109 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	35500	1250	50	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	5940	2500	50	12/20/23	12/21/23	
Surrogate: n-Nonane	1840 %	50-200		12/20/23	12/21/23	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	ND	20.0	1	12/20/23	12/20/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S3-2'

E312119-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.0315</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>0.0295</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>0.116</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>0.145</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	106 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	106 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	<b>845</b>	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	<b>192</b>	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	89.1 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	ND	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S3-3'

E312119-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	221	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	67.4	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		84.2 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	38.8	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S3-4'

E312119-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.0395</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		85.4 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	<b>21.7</b>	20.0	1	12/20/23	12/20/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported: 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4-1'

E312119-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		105 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		105 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	30.1	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		83.7 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	58.8	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S4-2'

E312119-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	<b>0.533</b>	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.469</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>2.47</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>8.71</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>11.2</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		114 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	<b>193</b>	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		114 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	<b>3010</b>	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	<b>537</b>	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		154 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	ND	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S4-3'

E312119-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		110 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		110 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	287	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	86.7	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		86.9 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	39.0	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S4-4'

E312119-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.0285</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		85.8 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	<b>20.9</b>	20.0	1	12/20/23	12/20/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S5-1'

E312119-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351019	
Benzene	5.90	1.25	50	12/18/23	12/20/23	
Ethylbenzene	14.7	1.25	50	12/18/23	12/20/23	
Toluene	109	1.25	50	12/18/23	12/20/23	
o-Xylene	43.6	1.25	50	12/18/23	12/20/23	
p,m-Xylene	181	2.50	50	12/18/23	12/20/23	
Total Xylenes	224	1.25	50	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351019	
Gasoline Range Organics (C6-C10)	2300	1000	50	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	109 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	105 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351056	
Diesel Range Organics (C10-C28)	24100	1250	50	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	4020	2500	50	12/20/23	12/21/23	
Surrogate: n-Nonane	1210 %	50-200		12/20/23	12/21/23	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2351064	
Chloride	ND	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S5-2'

E312119-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	<b>0.485</b>	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.776</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>1.98</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>7.23</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>9.21</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		115 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	<b>235</b>	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		115 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	<b>1910</b>	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	<b>346</b>	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		131 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	ND	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S5-3'

E312119-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	0.0320	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	0.186	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.110	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.110	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		105 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		105 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		83.5 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	30.7	20.0	1	12/20/23	12/20/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S5-4'

E312119-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.221</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>0.0265</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>0.141</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>0.167</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		89.9 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351064
Chloride	<b>26.2</b>	20.0	1	12/20/23	12/21/23	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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S6-1'

E312119-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	0.0405	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	0.113	0.0500	1	12/18/23	12/20/23	
Total Xylenes	0.154	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		124 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		124 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	402	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	88.5	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		97.3 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	21.0	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S6-2'

E312119-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	<b>0.897</b>	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.969</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>3.63</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>13.3</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>16.9</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	153 %	70-130		12/18/23	12/20/23	S5
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	123 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	<b>308</b>	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	153 %	70-130		12/18/23	12/20/23	S5
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	123 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	<b>2710</b>	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	<b>604</b>	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane	186 %	50-200		12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S6-3'

E312119-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	55.3	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		93.2 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	40.4	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

S6-4'

E312119-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	<b>0.194</b>	0.0250	1	12/18/23	12/20/23	
o-Xylene	<b>0.0305</b>	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	<b>0.152</b>	0.0500	1	12/18/23	12/20/23	
Total Xylenes	<b>0.182</b>	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		109 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		109 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		92.4 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	<b>31.1</b>	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW1-Surface

E312119-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		93.2 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW1-6"

E312119-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		109 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		109 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		89.6 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW2-Surface

E312119-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		91.3 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

SW2-6"

E312119-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/20/23	
Surrogate: n-Nonane		92.9 %	50-200	12/20/23	12/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW3-Surface

E312119-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		93.1 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

SW3-6"

E312119-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		111 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		111 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		92.9 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW4-Surface

## E312119-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		92.0 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW4-6"

E312119-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		94.8 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW5-Surface

## E312119-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		94.5 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported: 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5-6"

E312119-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		93.2 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported: 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW6-Surface  
E312119-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351020	
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	122 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	108 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2351020	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene	122 %	70-130		12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		12/18/23	12/20/23	
Surrogate: Toluene-d8	108 %	70-130		12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2351057	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	92.9 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2351065	
Chloride	ND	20.0	1	12/20/23	12/21/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

SW6-6"

E312119-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		107 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		93.0 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW7-Surface

E312119-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		92.3 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW7-6"

E312119-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		106 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		89.4 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/22/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW8-Surface

## E312119-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		89.6 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW8-6"

E312119-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Benzene	ND	0.0250	1	12/18/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/18/23	12/20/23	
Toluene	ND	0.0250	1	12/18/23	12/20/23	
o-Xylene	ND	0.0250	1	12/18/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/18/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/23	12/20/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/18/23	12/20/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	12/18/23	12/20/23	
Surrogate: Toluene-d8		108 %	70-130	12/18/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351057
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane		93.1 %	50-200	12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351065
Chloride	ND	20.0	1	12/20/23	12/22/23	





## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW9

## E312119-41

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351058
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351069
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## SW9

## E312119-42

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351058
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	94.9 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351069
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW10

E312119-43

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2351058	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	97.9 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2351069	
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Snapping 12 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/29/2023 10:09:55AM
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SW10

E312119-44

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2351058	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	98.5 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2351069	
Chloride	ND	20.0	1	12/20/23	12/21/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	<b>Reported:</b> 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW11

E312119-45

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2351058	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	100 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2351069	
Chloride	ND	20.0	1	12/20/23	12/21/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	<b>Reported:</b> 12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW11

E312119-46

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2351058	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
Surrogate: n-Nonane	97.6 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2351069	
Chloride	ND	20.0	1	12/20/23	12/21/23	



## Sample Data

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

Project Name: Snapping 12 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/29/2023 10:09:55AM

## BG1

## E312119-47

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Benzene	ND	0.0250	1	12/19/23	12/20/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/20/23	
Toluene	ND	0.0250	1	12/19/23	12/20/23	
o-Xylene	ND	0.0250	1	12/19/23	12/20/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/20/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		12/19/23	12/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351058
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/23	12/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/23	12/21/23	
<i>Surrogate: n-Nonane</i>						
	99.6 %	50-200		12/20/23	12/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351069
Chloride	ND	20.0	1	12/20/23	12/21/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:  12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351019-BLK1) Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2351019-BS1) Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	2.79	0.0250	2.50		112	70-130			
Ethylbenzene	2.67	0.0250	2.50		107	70-130			
Toluene	2.66	0.0250	2.50		106	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.22	0.0500	5.00		104	70-130			
Total Xylenes	7.84	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2351019-MS1) Source: E312119-09 Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	146	1.25	125	10.6	108	48-131			
Ethylbenzene	149	1.25	125	23.0	100	45-135			
Toluene	256	1.25	125	175	64.9	48-130			
o-Xylene	179	1.25	125	65.4	91.2	43-135			
p,m-Xylene	460	2.50	250	271	75.8	43-135			
Total Xylenes	640	1.25	375	336	80.9	43-135			
Surrogate: Bromofluorobenzene	27.4		25.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.4		25.0		97.4	70-130			
Surrogate: Toluene-d8	26.0		25.0		104	70-130			

Matrix Spike Dup (2351019-MSD1) Source: E312119-09 Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	153	1.25	125	10.6	114	48-131	4.87	23	
Ethylbenzene	156	1.25	125	23.0	107	45-135	5.15	27	
Toluene	280	1.25	125	175	83.4	48-130	8.66	24	
o-Xylene	193	1.25	125	65.4	102	43-135	7.50	27	
p,m-Xylene	504	2.50	250	271	93.3	43-135	9.08	27	
Total Xylenes	697	1.25	375	336	96.3	43-135	8.64	27	
Surrogate: Bromofluorobenzene	28.1		25.0		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.1		25.0		96.4	70-130			
Surrogate: Toluene-d8	26.4		25.0		106	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2351020-BLK1)

Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

LCS (2351020-BS1)

Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	2.80	0.0250	2.50		112	70-130			
Ethylbenzene	2.69	0.0250	2.50		108	70-130			
Toluene	2.66	0.0250	2.50		106	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.29	0.0500	5.00		106	70-130			
Total Xylenes	7.91	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2351020-MS1)

Source: E312119-25 Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	2.83	0.0250	2.50	ND	113	48-131			
Ethylbenzene	2.71	0.0250	2.50	ND	108	45-135			
Toluene	2.68	0.0250	2.50	ND	107	48-130			
o-Xylene	2.66	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.38	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.04	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

Matrix Spike Dup (2351020-MSD1)

Source: E312119-25 Prepared: 12/18/23 Analyzed: 12/20/23

Benzene	2.86	0.0250	2.50	ND	114	48-131	1.25	23	
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135	1.25	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	1.32	24	
o-Xylene	2.65	0.0250	2.50	ND	106	43-135	0.414	27	
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135	0.709	27	
Total Xylenes	8.00	0.0250	7.50	ND	107	43-135	0.611	27	
Surrogate: Bromofluorobenzene	0.605		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:  12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351042-BLK1) Prepared: 12/19/23 Analyzed: 12/20/23

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	7.54		8.00		94.2	70-130			

LCS (2351042-BS1) Prepared: 12/19/23 Analyzed: 12/20/23

Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.67	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.2	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

Matrix Spike (2351042-MS1) Source: E312119-45 Prepared: 12/19/23 Analyzed: 12/20/23

Benzene	4.69	0.0250	5.00	ND	93.9	54-133			
Ethylbenzene	4.61	0.0250	5.00	ND	92.2	61-133			
Toluene	4.68	0.0250	5.00	ND	93.7	61-130			
o-Xylene	4.66	0.0250	5.00	ND	93.3	63-131			
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.4	70-130			

Matrix Spike Dup (2351042-MSD1) Source: E312119-45 Prepared: 12/19/23 Analyzed: 12/20/23

Benzene	4.81	0.0250	5.00	ND	96.1	54-133	2.37	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	2.77	20	
Toluene	4.79	0.0250	5.00	ND	95.7	61-130	2.16	20	
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131	1.74	20	
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131	2.59	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	2.31	20	
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:  12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351019-BLK1) Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2351019-BS2) Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2351019-MS2) Source: E312119-09 Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	4870	1000	2500	3400	58.7	70-130			M4
Surrogate: Bromofluorobenzene	27.4		25.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.3		25.0		97.2	70-130			
Surrogate: Toluene-d8	26.0		25.0		104	70-130			

Matrix Spike Dup (2351019-MSD2) Source: E312119-09 Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	5500	1000	2500	3400	83.8	70-130	12.1	20	
Surrogate: Bromofluorobenzene	27.8		25.0		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.8		25.0		99.3	70-130			
Surrogate: Toluene-d8	25.7		25.0		103	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:  12/29/2023 10:09:55AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351020-BLK1) Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

LCS (2351020-BS2) Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2351020-MS2) Source: E312119-25 Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.597		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

Matrix Spike Dup (2351020-MSD2) Source: E312119-25 Prepared: 12/18/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	10.4	20	
Surrogate: Bromofluorobenzene	0.604		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351042-BLK1) Prepared: 12/19/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

LCS (2351042-BS2) Prepared: 12/19/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

Matrix Spike (2351042-MS2) Source: E312119-45 Prepared: 12/19/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike Dup (2351042-MSD2) Source: E312119-45 Prepared: 12/19/23 Analyzed: 12/20/23

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.3	70-130	3.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

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 (2351056-BLK1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

LCS (2351056-BS1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			

Matrix Spike (2351056-MS1)					Source: E312119-05		Prepared: 12/20/23 Analyzed: 12/20/23		
Diesel Range Organics (C10-C28)	2980	25.0	250	2810	69.1	38-132			
Surrogate: n-Nonane	67.6		50.0		135	50-200			

Matrix Spike Dup (2351056-MSD1)					Source: E312119-05		Prepared: 12/20/23 Analyzed: 12/20/23		
Diesel Range Organics (C10-C28)	2660	25.0	250	2810	NR	38-132	11.6	20	M4
Surrogate: n-Nonane	64.7		50.0		129	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

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 (2351057-BLK1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.9		50.0		97.8	50-200			

LCS (2351057-BS1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			

Matrix Spike (2351057-MS1)					Source: E312119-25		Prepared: 12/20/23 Analyzed: 12/20/23		
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike Dup (2351057-MSD1)					Source: E312119-25		Prepared: 12/20/23 Analyzed: 12/20/23		
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132	13.3	20	
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

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 (2351058-BLK1) Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			

LCS (2351058-BS1) Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	247	25.0	250		99.0	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike (2351058-MS1) Source: E312119-44 Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike Dup (2351058-MSD1) Source: E312119-44 Prepared: 12/20/23 Analyzed: 12/21/23

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	2.93	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

Anions by EPA 300.0/9056A

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 (2351064-BLK1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Chloride	ND	20.0							
LCS (2351064-BS1)					Prepared: 12/20/23 Analyzed: 12/20/23				
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2351064-MS1)					Source: E312119-04		Prepared: 12/20/23 Analyzed: 12/20/23		
Chloride	284	20.0	250	30.1	102	80-120			
Matrix Spike Dup (2351064-MSD1)					Source: E312119-04		Prepared: 12/20/23 Analyzed: 12/20/23		
Chloride	283	20.0	250	30.1	101	80-120	0.219	20	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

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 (2351065-BLK1)					Prepared: 12/20/23 Analyzed: 12/21/23				
Chloride	ND	20.0							
LCS (2351065-BS1)					Prepared: 12/20/23 Analyzed: 12/21/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2351065-MS1)					Source: E312119-22		Prepared: 12/20/23 Analyzed: 12/21/23		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2351065-MSD1)					Source: E312119-22		Prepared: 12/20/23 Analyzed: 12/21/23		
Chloride	259	20.0	250	ND	104	80-120	0.136	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 12 CTB 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2023 10:09:55AM

Anions by EPA 300.0/9056A

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 (2351069-BLK1)					Prepared: 12/20/23 Analyzed: 12/21/23				
Chloride	ND	20.0							
LCS (2351069-BS1)					Prepared: 12/20/23 Analyzed: 12/21/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2351069-MS1)					Source: E312119-42		Prepared: 12/20/23 Analyzed: 12/21/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2351069-MSD1)					Source: E312119-42		Prepared: 12/20/23 Analyzed: 12/21/23		
Chloride	256	20.0	250	ND	102	80-120	0.272	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:	Snapping 12 CTB 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/23 10:09

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- 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 5

<b>Client: Pima Environmental Services</b> Project: <u>Snapping 12 CTB 2</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____					<b>Attention:</b> <u>Peron</u> <sup>Bill To</sup> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>160-4</u>					<b>Lab Use Only</b>						<b>TAT</b>				<b>EPA Program</b>	
										Lab WO# <u>E312119</u>			Job Number <u>010580007</u>			1D	2D	3D	Standard	CWA	SDWA
										<b>Analysis and Method</b>										RCRA	
										DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
8:36	12/14	S	1	S1-1'	1																
8:43				S1-2'	2																
8:49				S1-3'	3																
8:53				S1-4'	4																
9:07				S2-1'	5																
9:10				S2-2'	6																
9:17				S2-3'	7																
9:28				S2-4'	8																
9:36				S3-1'	9																
9:42				S3-2'	10																
<b>Additional Instructions:</b> <u>B# 21266744</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Project Information

## Chain of Custody

Page 2 of 5

<b>Client: Pima Environmental Services</b> <b>Project: Snapping 12 CTB 2</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM. 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@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 # 160-4</b>					<b>Lab Use Only</b>						<b>TAT</b>				<b>EPA Program</b>			
										<b>Lab WO#</b> E312119		<b>Job Number</b> 010580007				<b>1D</b>	<b>2D</b>	<b>3D</b>	<b>Standard</b> X	<b>CWA</b>	<b>SDWA</b>		
										<b>Analysis and Method</b>										<b>RCRA</b>		<b>State</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>NM</b> X	<b>CO</b>	<b>UT</b>	<b>AZ</b>	<b>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>	<b>Remarks</b>																	
9:51	12/14	S	1	S3-3'	11																		
9:58				S3-4'	12																		
10:11				S4-1'	13																		
10:16				S4-2'	14																		
10:18				S4-3'	15																		
10:21				S4-4	16																		
10:36				S5-1'	17																		
10:42				S5-2'	18																		
10:49				S5-3'	19																		
10:56				S5-4'	20																		
<b>Additional Instructions:</b> B# 21266744																							
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) Karime Adame		Date 12/15/23		Time 1315		Received by: (Signature) 		Date 12/15/23		Time 1315		<b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
Relinquished by: (Signature) 		Date 12/15/23		Time 1500		Received by: (Signature) 		Date 12/18/23		Time 730		T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature) 		Date 		Time 		Received by: (Signature) 		Date 		Time 		AVG Temp °C: 4											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							


**envirotech**

## Project Information

## Chain of Custody

Page 3 of 5

<b>Client: Pima Environmental Services</b> <b>Project: Mapping 12 CFB 2</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM. 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@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 # 160-4</b>					<b>Lab Use Only</b> <b>Lab WO# E312119</b> <b>Job Number 01056007</b> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX						<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks							
11:02	12/14	S	1	SG-1'	21							X									
11:10				SG-2'	22																
11:19				SG-3'	23																
11:25				SG-4'	24																
11:31				SW1 - Surface	25																
11:36				SW1 - 6"	26																
11:43				SW2 - Surface	27																
11:45				SW2 - 6"	28																
11:51				SW3 - Surface	29																
11:59				SW3 - 6"	30																
<b>Additional Instructions:</b> B# 21266744																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C: <u>4</u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
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 4 of 5

<b>Client: Pima Environmental Services</b> <b>Project: Snapping 12 CTBZ</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM. 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@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 # 160-4</b>					<b>Lab Use Only</b> <b>Lab WO# F312119</b> <b>Job Number 01058-007</b> <b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX						<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
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	Standard	Remarks						
12:11	12/14	S	1	SW4 - Surface	31							X									
12:17				SW4 - 6"	32																
12:21				SW5 - Surface	33																
12:30				SW5 - 6"	34																
12:38				SW6 - Surface	35																
12:41				SW6 - 6"	36																
12:48				SW7 - Surface	37																
12:56				SW7 - 6"	38																
1:08				SW8 - Surface	39																
1:11				SW8 - 6"	40																
<b>Additional Instructions:</b> B# 21266744																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> N									
Karime Adams		12/15/23		315		[Signature]		12/15/23		315											
[Signature]		12/15/23		1500		[Signature]		12/18/23		730		T1 T2 T3 AVG Temp °C: <u>4</u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Project Information

## Chain of Custody

Page 5 of 5

<b>Client: Pima Environmental Services</b> <b>Project: Snapping 12 CTB 2</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM. 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@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 # 160-4</b>					<b>Lab Use Only</b> <b>Lab WO# E 312119</b> <b>Job Number 01058-0007</b> <b>Analysis and Method</b>					<b>TAT</b> <b>1D 2D 3D Standard</b> <b>X</b>				<b>EPA Program</b> <b>CWA SDWA</b> <b>RCRA</b>	
														<b>State</b> <b>NM CO UT AZ TX</b> <b>X</b>						
														<b>Remarks</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>	<b>DRO/ORO 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>							
1:19	12/14	S	1	SW9	41							X								
1:29				SW9	42															
1:31				SW10	43															
1:39				SW10	44															
1:42				SW11	45															
1:51				SW11	46															
2:03				BG1	47															
<b>Additional Instructions:</b> B# 21266744																				
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) Karine Adams		Date 12-15-23		Time 13:15		Received by: (Signature) [Signature]		Date 12-15-23		Time 13:15		Lab Use Only Received on Ice: (Y) N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

## Envirotech Analytical Laboratory

Printed: 12/18/2023 11:22:56AM

## 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:	12/18/23 07:30	Work Order ID:	E312119
Phone:	(575) 631-6977	Date Logged In:	12/18/23 08:40	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	12/28/23 17:00 (6 day TAT)		

**Chain of Custody (COC)**

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

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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.

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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  
  
Action 309826

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	309826
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2334722258
Incident Name	NAPP2334722258 SNAPPING 12 CTB 2 @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAB1922153543] SNAPPING 12 CTB 2

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

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   Pump   Crude Oil   Released: 10 BBL   Recovered: 10 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Operator found oil around the LACT and containment wall. The seal went out on the LACT causing the spill. The inlet and outlet valves on the LACT skid were shut to isolate and stop the leak. 10.1 bbls spilled. 10 bbls recovered. Spill impacted the pad.

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QUESTIONS, Page 2

Action 309826

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	309826
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 01/31/2024
--	--

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QUESTIONS, Page 3

Action 309826

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 309826
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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)	Zero feet, overlying, or within area
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	Between 1 and 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	High
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)	58
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	22278
GRO+DRO (EPA SW-846 Method 8015M)	18920
BTEX (EPA SW-846 Method 8021B or 8260B)	164
Benzene (EPA SW-846 Method 8021B or 8260B)	4

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	02/15/2024
On what date will (or did) the final sampling or liner inspection occur	02/15/2024
On what date will (or was) the remediation complete(d)	02/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	4256
What is the estimated volume (in cubic yards) that will be reclaimed	472
What is the estimated surface area (in square feet) that will be remediated	4256
What is the estimated volume (in cubic yards) that will be remediated	472

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

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



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QUESTIONS, Page 4

Action 309826

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 309826
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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

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

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

(Select all answers below that apply.)

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 01/31/2024
--	--

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

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QUESTIONS, Page 5  
  
Action 309826

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 309826
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

<b>Deferral Requests Only</b>	
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 309826

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 309826
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	314982
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2024
What was the (estimated) number of samples that were to be gathered	36
What was the sampling surface area in square feet	4256

<b>Remediation Closure Request</b>	
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	No

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

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

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

CONDITIONS

Action 309826

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 309826
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation work plan approved with conditions. In addition to samples S1-S6 and SW1-SW11 which will be collected every 200 square feet from the excavation, a sidewall sample must also be collected along the edge of the tank battery between SW1 and SW11, to ensure the edges of the release are defined. Submit remediation deferral report or remediation closure report to the OCD by 6/9/2024.	3/11/2024