



## RECLAMATION CLOSURE REPORT

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PREPARED FOR:  
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC.

May 29<sup>th</sup>, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 1  
1625 N. French Drive  
Hobbs, NM 88240

Bureau of Land Management  
620 E Green St.  
Carlsbad, NM 88220

**RE: RECLAMATION CLOSURE REPORT**

**LOCATION:** Alley Cat 17 CTB 3

**FACILITY ID:** fAPP2123635487

**GPS:** 32.308509, -103.695694

**INCIDENT LOCATION:** UL- B. Section 17, T23S, R32E

**COUNTY:** Lea

**NMOCD REF. NO.** NAPP2327225644

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare the Reclamation Closure Report for the Alley Cat 17 CTB 3 site (hereafter referred to as the "Alley Cat"). This report provides a comprehensive overview of the site's history, details the reclamation activities that have been undertaken to date, and outlines a proposed plan for ongoing vegetation monitoring.

**SITE CHARACTERIZATION**

The Alley Cat is located approximately twenty-two (22) miles northeast of Malaga, NM. This spill site is in Unit B, Section 17, Township 23S, Range 32E, Latitude 32.308509 Longitude -103.695694, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Maljamar and Palomas fine sands, 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 low potential for karst geology to be present around the Alley Cat (Figure 3). A Topographic Map can be referenced in Figure 2.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04815- POD 1), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.47 of a mile away from the Alley Cat, drilled, April 16, 2024. Conversely, as per the United States Geological Survey well water data (USGS322738103263701), the nearest groundwater depth in this region is recorded at 650 feet BGS, situated approximately 18.01 miles away from the Alley Cat, with the last gauge conducted in 2024. The nearest water feature is a Salt Playa located approximately 14.70 miles to the northwest of this site. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.



## SITE CONDITIONS AND HISTORY

### NAPP2327225644

On September 28, 2023, a check valve on the Lact Unit operated by Enlink Midstream failed causing oil to backflow to a tank and caused it to overflow. The released fluids were calculated to be approximately 85 barrels (bbls) of crude oil. A vacuum truck was able to recover 75 bbls of standing fluid. The spill affected containment and pad.

While incident NAPP2327225644 was being addressed, depth to groundwater was classified as <50' BGS due to lack of groundwater data.

On October 30, and November 8 of 2023, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

On December 1, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began by excavating the area to a depth of 3' BGS. The contaminated soil (133 cubic yards) was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On December 15, 2023, after sending a 48-hour notification, application ID: 294188, Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

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

On December 15, 2023, after submitting a 48-hour notification application ID: 294179 to the OCD, Pima Environmental conducted a liner inspection at this location. Pima concluded that this liner and containment maintained its integrity and was able to retain fluids. The liner inspection form and photographic documentation can be found in Appendix D.

A Remediation Closure Report (Application ID: 344001), was submitted to the NMOCD on May 14, 2024, for approval.

On May 28, 2024, Incident ID: NAPP2327225644, was approved by the NMOCD.

## RECLAMATION ACTIVITIES

On May 1, 2025, Pima personnel returned to the site to collect samples from backfilled areas. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

The areas of concern do not require reclamation at this time as the conditions of the areas that were reported to have been affected were non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. To support this the Laboratory Analytical Reports are available in Appendix D. Furthermore, Photographic Documentation to prove that the ground has not been affected is available in Appendix C.



## RECLAMATION OF THE SITE

Regarding reclamation of the site, Devon Energy will carry out reclamation activities and seeding of the site within 25 years or immediately after the site is no longer needed for production and/or subsequent drilling operations, whichever comes sooner.

## REVEGETATION

A Revegetation plan will be implemented following site reclamation activities. Native seed will be broadcast over the disturbed area to promote natural regrowth. The site will be monitored annually to evaluate vegetation establishment and ensure it is progressing toward matching the surrounding landscape. Once vegetation is deemed adequately established, a revegetation closure report will be prepared and submitted to the New Mexico Oil Conservation Division (NMOCD) for review and approval.

## REQUEST OF APPROVAL

After careful review, Pima requests that this Reclamation Closure Report for the Alley Cat 17 CTB 3, incident ID NAPP2327225644, be approved.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.raley@devon.com](mailto:jim.raley@devon.com).

Pima Environmental – Lynsey Coons at 575-318-7532 or [lynsey@pimaoil.com](mailto:lynsey@pimaoil.com).

Respectfully,

*Lynsey Coons*

Lynsey Coons

Project Manager

Pima Environmental Services, LLC



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Alley Cat 17 CTB 3 | NAPP2327225644

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# ATTACHMENTS

## FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Liner Site Map
- 7- Confirmation Sample Map

## APPENDICES:

Appendix A – Water Surveys, Surface Water Map

Appendix B – Soil Survey, Geological Data, FEMA Flood Map, Wetlands Map

Appendix C – Liner Inspection Form, Photographic Documentation

Appendix D – Laboratory Results



## FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Liner Site Map
- 7- Confirmation Sample Map



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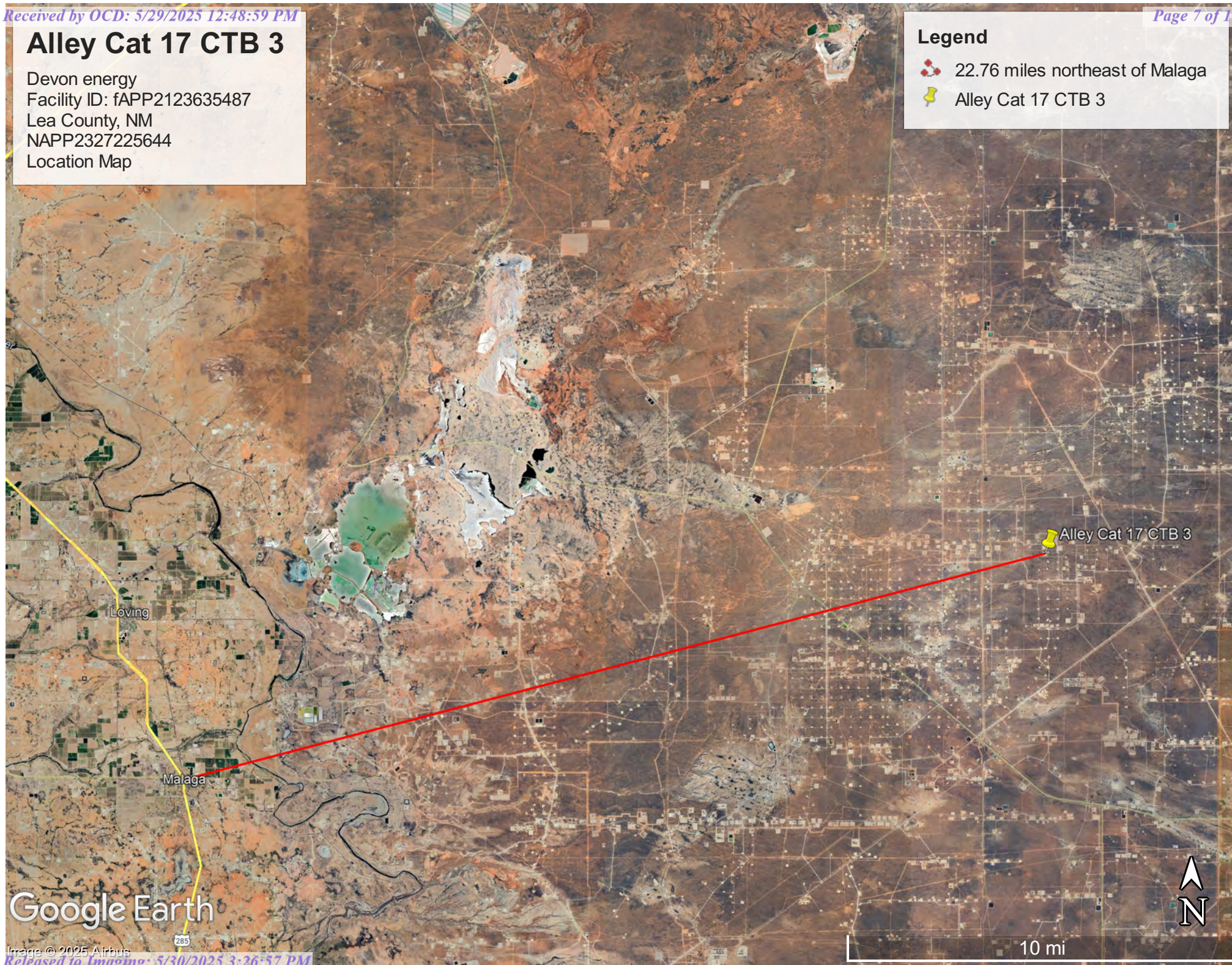


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
Location Map

## Legend

-  22.76 miles northeast of Malaga
-  Alley Cat 17 CTB 3



Google Earth


Image © 2025 Airbus

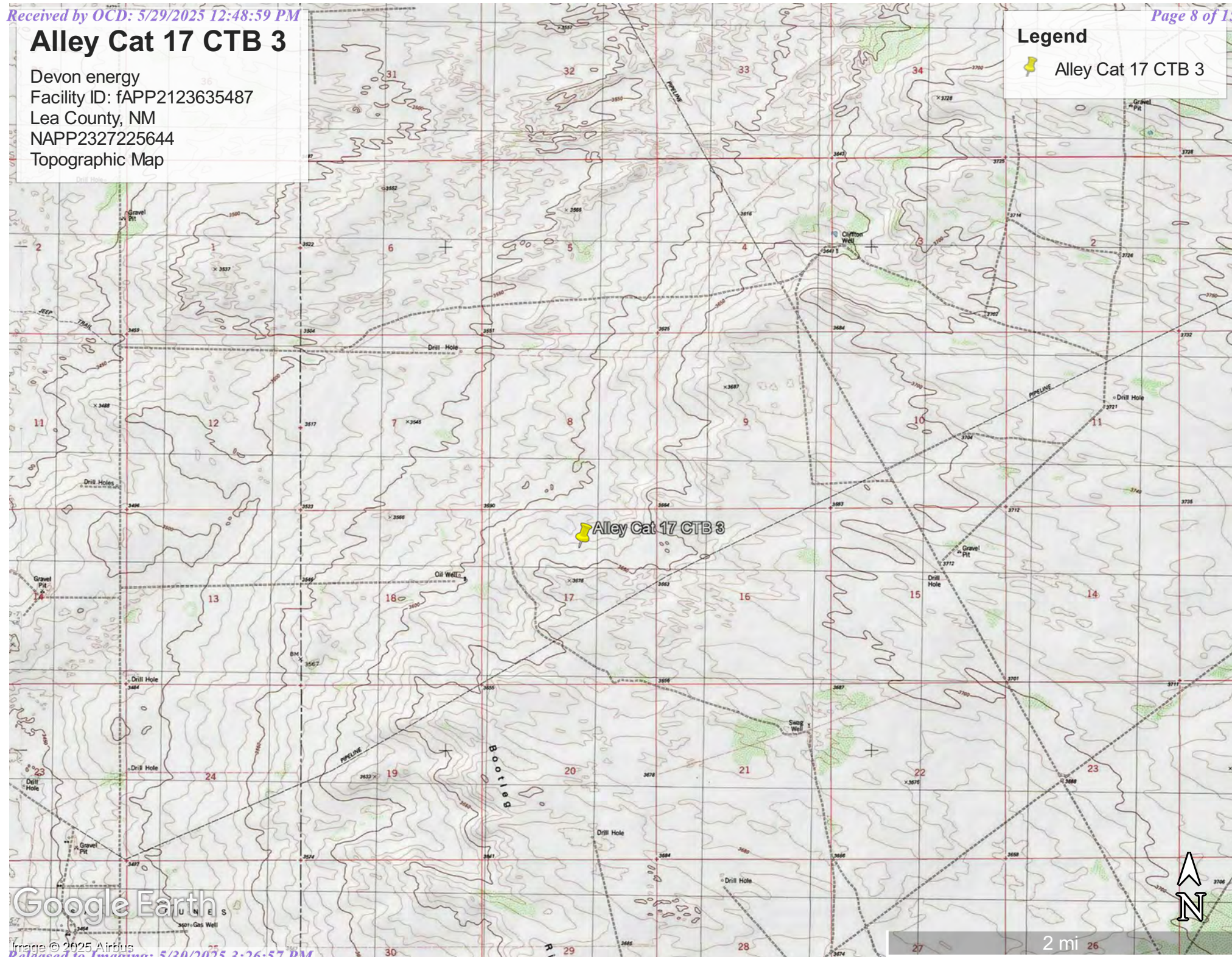


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
Topographic Map

## Legend

 Alley Cat 17 CTB 3







Google Earth

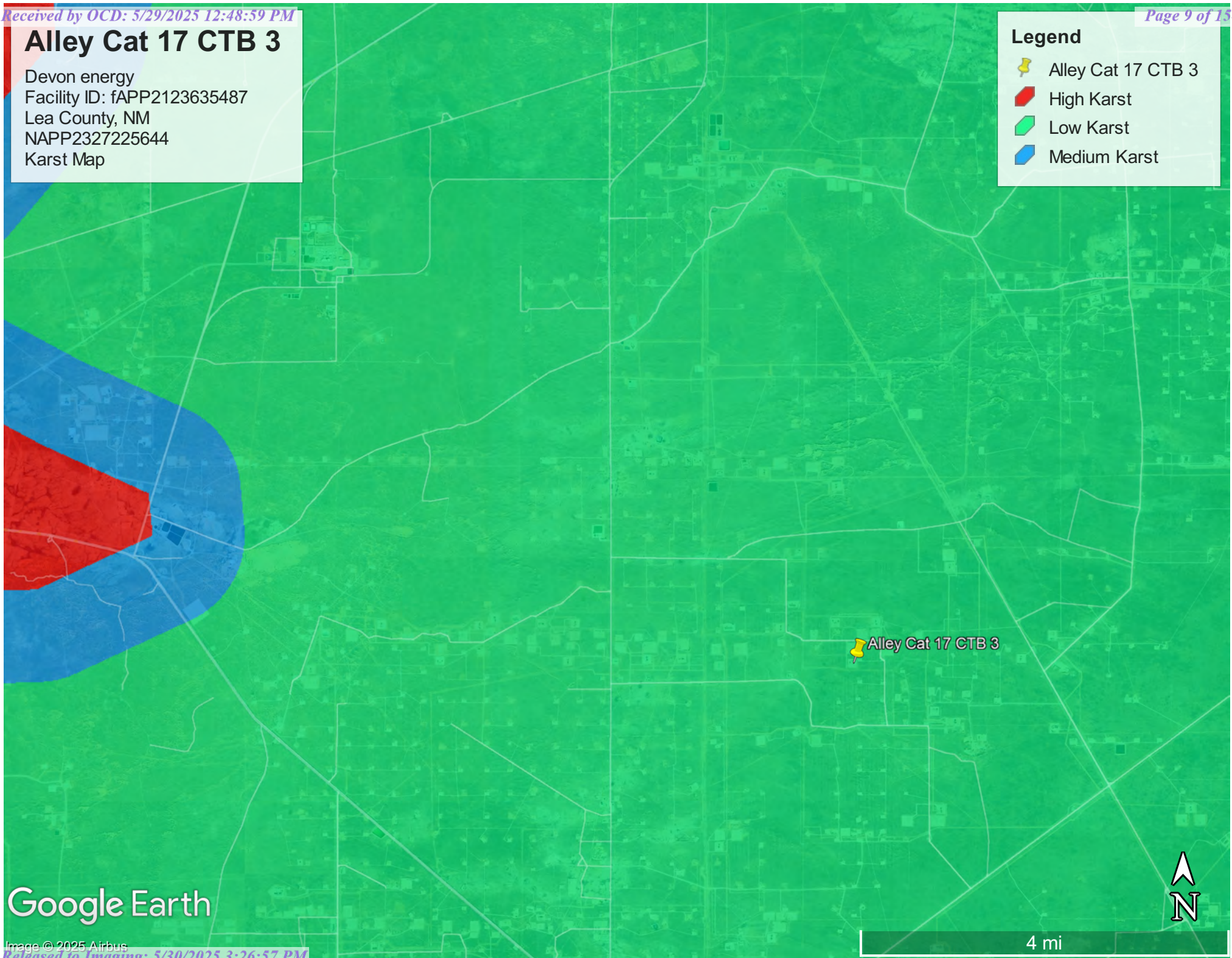


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
Karst Map

## Legend

-  Alley Cat 17 CTB 3
-  High Karst
-  Low Karst
-  Medium Karst



Google Earth



# Assessment Data Tables



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
DEVON ENERGY Alley Cat 17 CTB 3										
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	10/30/2023	1'	29.5	0.0704	401	4800	1550	6780.5704	ND	
		2'	0.165	ND	ND	268	93.2	361.365	ND	
		3'	0.0747	ND	ND	235	96.1	331.1747	ND	
		4'	ND	ND	ND	ND	ND	0	ND	
S2		1'	30.5	0.106	451	4850	1410	6741.606	ND	
		2'	0.155	ND	ND	68.8	ND	68.955	ND	
		3'	0.0783	ND	ND	230	109	339.0783	ND	
		4'	ND	ND	ND	ND	ND	0	ND	
S3		1'	17.8	0.0251	279	4500	1320	6116.8251	ND	
		2'	0.0775	ND	ND	103	ND	103.0775	ND	
		3'	ND	ND	ND	188	81.9	269.9	ND	
		4'	ND	ND	ND	ND	ND	0	ND	
S4		1'	18.1	0.0725	311	4390	1440	6159.1725	ND	
		2'	0.087	ND	ND	31.1	ND	31.187	ND	
		3'	ND	ND	ND	ND	ND	0	ND	
		4'	ND	ND	ND	ND	ND	0	ND	
SW1 Comp			0-4'	ND	ND	ND	ND	ND	0	170
SW2 Comp			0-4'	ND	ND	ND	ND	ND	0	455
SW3 Comp			0-4'	ND	ND	ND	ND	ND	0	155
SW4 Comp			0-4'	ND	ND	ND	ND	ND	0	117
SW5 Comp			0-4'	ND	ND	ND	ND	ND	0	970
SW5 Comp	11/8/2023	0-4'	ND	ND	ND	ND	ND	0	208	
SW6 Comp	10/30/2023	0-4'	ND	ND	ND	ND	ND	0	816	
SW6 Comp	11/8/2023	0-4'	ND	ND	ND	ND	57.8	57.8	295	
BG1	10/30/2023	1'	ND	ND	ND	ND	ND	0	590	

# Confirmation Data Tables



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Alley Cat 17 CTB 3								
Date: 12-15-23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	3'	ND	ND	ND	ND	ND	0	ND
CS2	3'	ND	ND	ND	ND	ND	0	ND
CS3	3'	ND	ND	ND	ND	ND	0	ND
CS4	3'	ND	ND	ND	ND	ND	0	ND
CS5	3'	ND	ND	ND	ND	ND	0	ND
CS6	3'	ND	ND	ND	ND	ND	0	ND
SW1	3'	ND	ND	ND	ND	ND	0	ND
SW2	3'	ND	ND	ND	ND	ND	0	ND
SW3	3'	ND	ND	ND	ND	ND	0	ND
SW4	3'	ND	ND	ND	ND	ND	0	ND
SW5	3'	ND	ND	ND	ND	ND	0	ND
SW6	3'	ND	ND	ND	ND	ND	0	ND
SW7	3'	ND	ND	ND	ND	ND	0	ND
SW8	3'	ND	ND	ND	ND	ND	0	ND
SW9	3'	ND	ND	ND	ND	ND	0	ND
SW10	3'	ND	ND	ND	ND	ND	0	ND
SW11	3'	ND	ND	ND	ND	ND	0	ND
SW12	3'	ND	ND	ND	ND	ND	0	ND

# Backfill Data Tables



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Alley Cat 17 CTB 3								
Date: 5-1-25		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
BACKFILL 1	Comp	ND	ND	ND	ND	ND	ND	ND
BACKFILL 2	Comp	ND	ND	ND	ND	ND	ND	ND


# Alley Cat 17 CTB 3

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

## Legend

-  Alley Cat 17 CTB 3
-  Samples
-  Sidewalls/Background
-  Spill Area 1,195 sqft



 Alley Cat 17 CTB 3





Google Earth




## Alley Cat 17 CTB 3

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

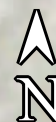
### Legend

-  Alley Cat 17 CTB 3
-  Liner 3,274 Sqft

 Alley Cat 17 CTB 3



Google Earth






100 ft



# Alley Cat 17 CTB 3

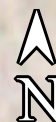
Devon Energy  
API:N/A  
Eddy County, NM  
Confirmation Sample Map

## Legend

-  Alley Cat 17 CTB 3
-  Excavation
-  Confirmation Samples



Google Earth



100 ft

## APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map



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# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE  
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	TwS	Rng	X	Y	Map
NA	C 04815 POD1	NW	SE	SW	08	23S	32E	622391.9	3576025.7	

\* UTM location was derived from PLSS - see Help

Driller License:	1833	Driller Company:	VISION RESOURCES, INC		
Driller Name:	JASON MALEY				
Drill Start Date:	2024-04-16	Drill Finish Date:	2024-04-16	Plug Date:	2024-04-22
Log File Date:	2024-04-25	PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	55	Depth Water:	

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.



## Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
OSE Pod Map

### Legend

- 0.47 miles
- Alley Cat 17 CTB 3
- C 04815 POD 1

C 04815 POD 1

Alley Cat 17 CTB 3

Google Earth

Image © 2025 Airbus

2000 ft







[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.

Groundwater levels for the Nation



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

### Search Results -- 1 sites found

site\_no list =

- 322738103263701

Minimum number of levels = 1

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

### USGS 322738103263701 21S.34E.23.31000 676

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°27'45.6", Longitude 103°26'49.4" NAD83

Land-surface elevation 3,715 feet above NAVD88

The depth of the well is 5,390 feet below land surface.

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

This well is completed in the Capitan Limestone (313CPTN) local aquifer.

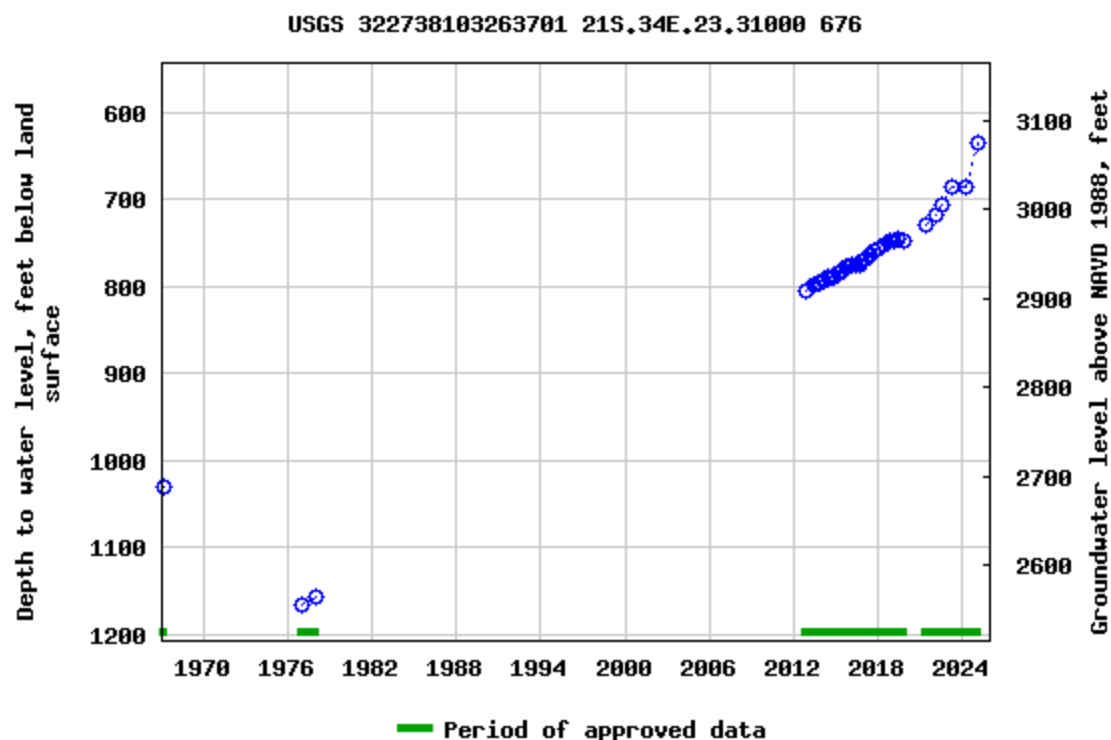
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

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

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

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



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

Page Last Modified: 2025-05-12 12:53:29 EDT




0.79 0.59 nadww02

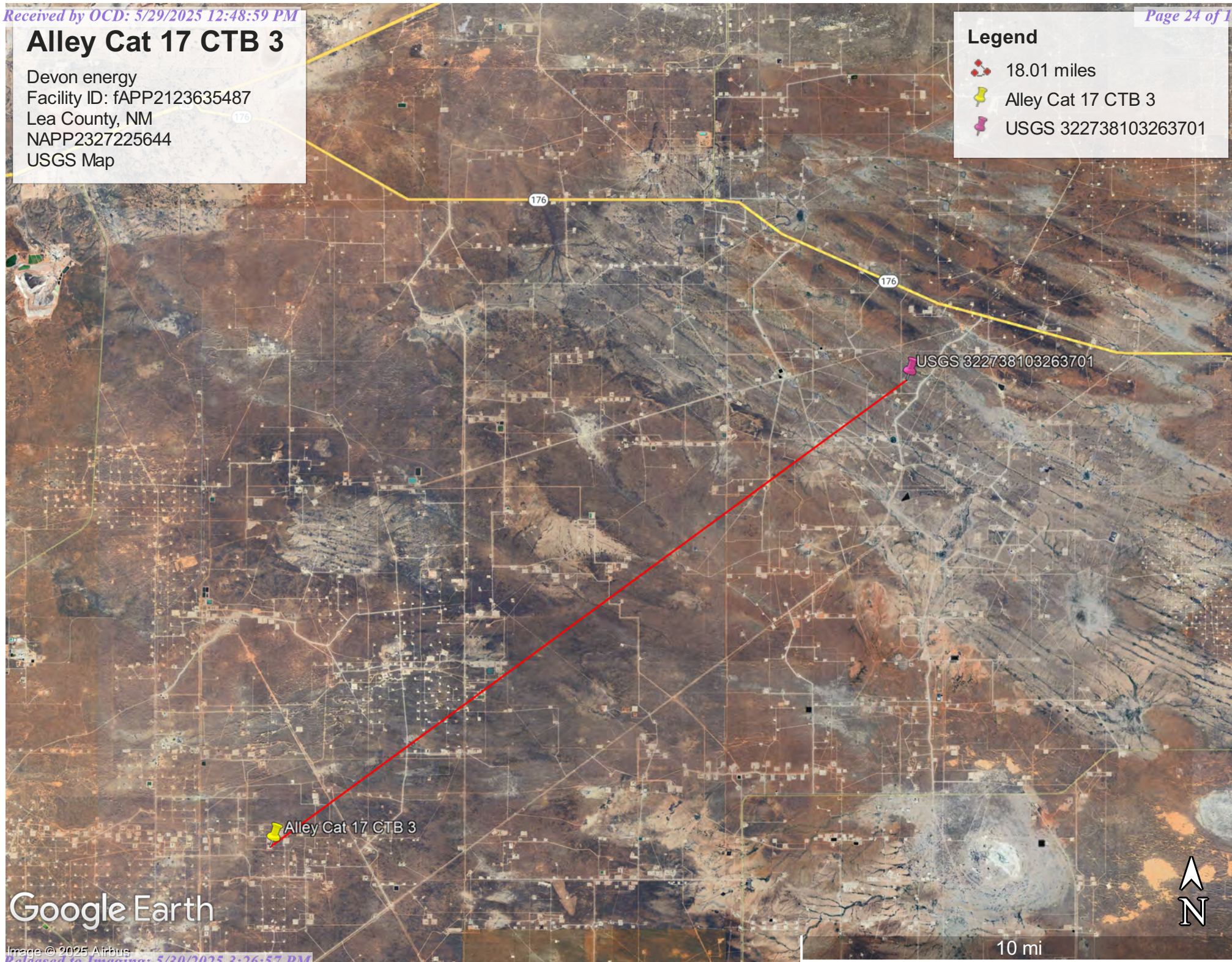


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
USGS Map

## Legend

-  18.01 miles
-  Alley Cat 17 CTB 3
-  USGS 322738103263701



Google Earth




Image © 2025 Airbus

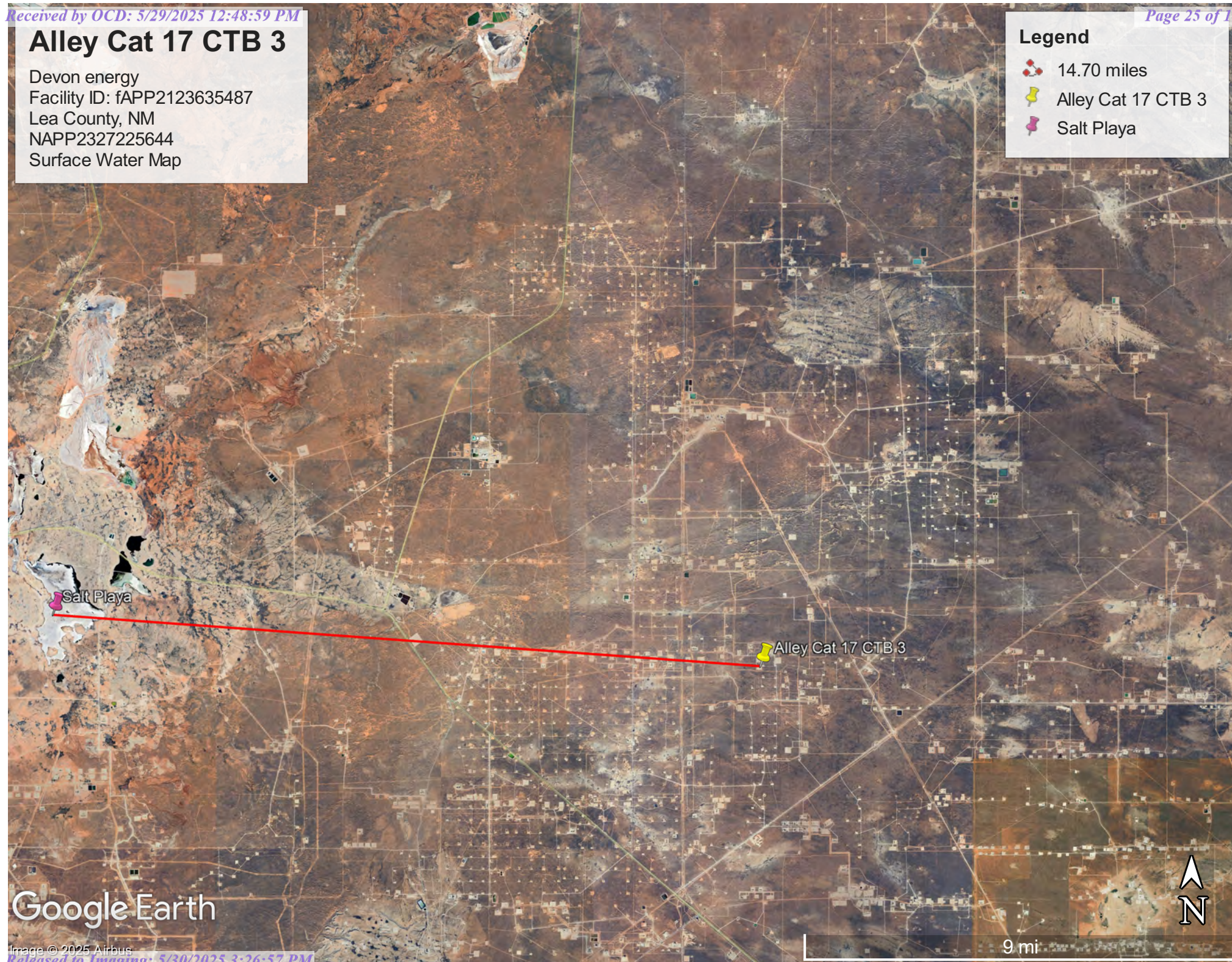


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
Surface Water Map

## Legend

-  14.70 miles
-  Alley Cat 17 CTB 3
-  Salt Playa



Google Earth



## APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map

FEMA Flood Map

Wetlands Map



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Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

---

## Lea County, New Mexico

### MF—Maljamar and Palomas fine sands, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* dmqb

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

*Mean annual precipitation:* 10 to 15 inches

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

*Frost-free period:* 190 to 205 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Maljamar and similar soils:* 46 percent

*Palomas and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Maljamar

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

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

##### Typical profile

*A - 0 to 24 inches:* fine sand

*Bt - 24 to 50 inches:* sandy clay loam

*Bkm - 50 to 60 inches:* cemented material

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 40 to 60 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

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

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 7e

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

---

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

## Description of Palomas

### Setting

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Alluvium derived from sandstone*

### Typical profile

*A - 0 to 16 inches: fine sand*  
*Bt - 16 to 60 inches: sandy clay loam*  
*Bk - 60 to 66 inches: sandy 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: 45 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)*

### Interpretive groups

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Minor Components

### Kermit

*Percent of map unit: 5 percent*  
*Ecological site: R070BC022NM - Sandhills*  
*Hydric soil rating: No*

### Wink

*Percent of map unit: 5 percent*  
*Ecological site: R070BD003NM - Loamy Sand*

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

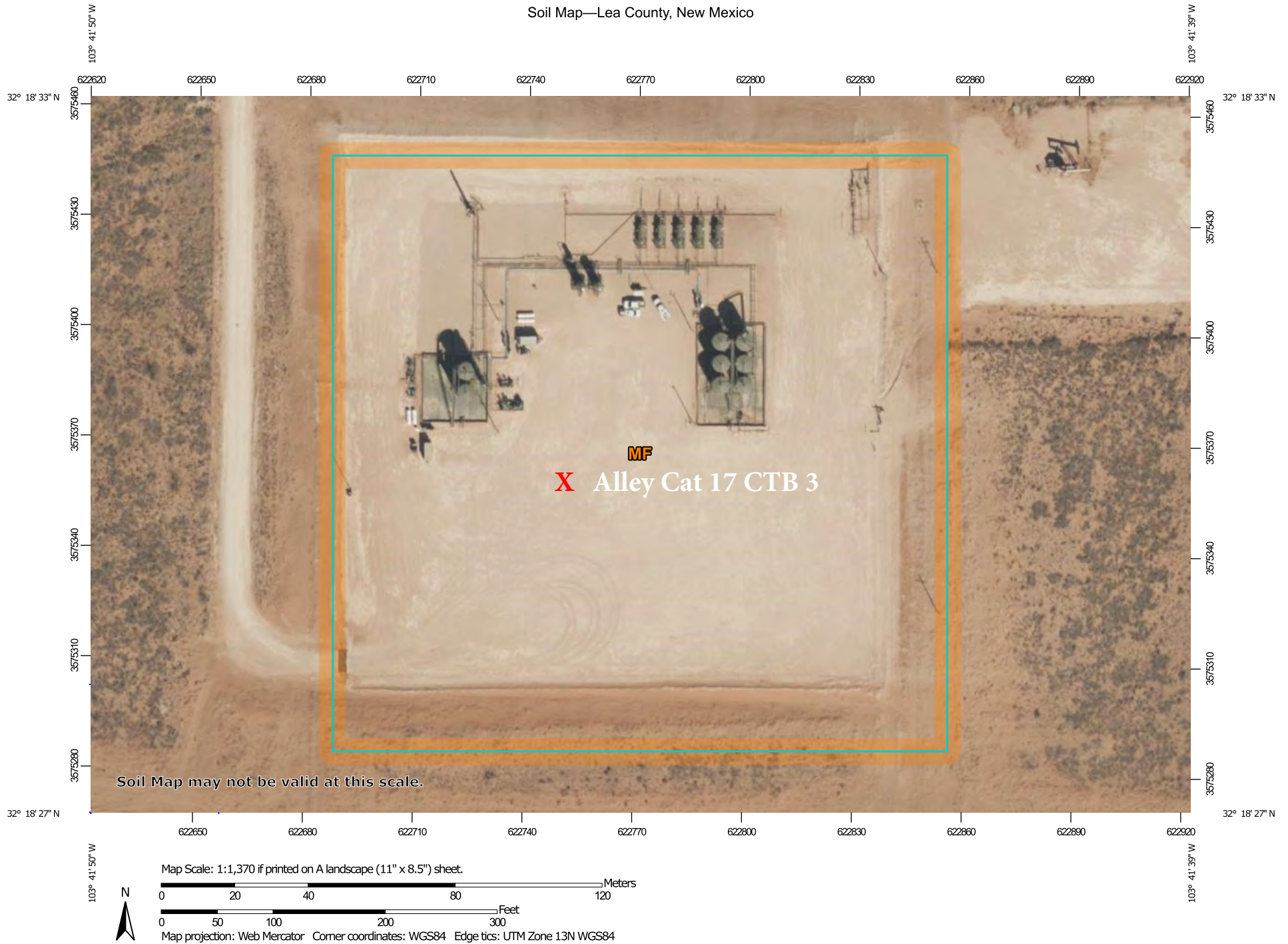
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*Hydric soil rating:* No

## Data Source Information

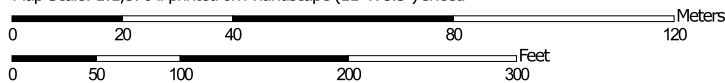
Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico



Soil Map may not be valid at this scale.

Map Scale: 1:1,370 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84




Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

5/12/2025  
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MF	Maljamar and Palomas fine sands, 0 to 3 percent slopes	6.7	100.0%
Totals for Area of Interest		6.7	100.0%



(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

## Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)

JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

*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.*

**State** New Mexico (/geology/state/state.php?state=NM)

**Name** Eolian and piedmont deposits

**Geologic age** Holocene to middle Pleistocene

**Lithologic constituents** Major  
Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits

**References** New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).

**NGMDB product** NGMDB product page for 22974  
([https://ngmdb.usgs.gov/Prodesc/proddesc\\_22974.htm](https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm))

**Counties** Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal ([https://www.usgs.gov/laws/policies\\_notices.html](https://www.usgs.gov/laws/policies_notices.html)) |

Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)

U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |




No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

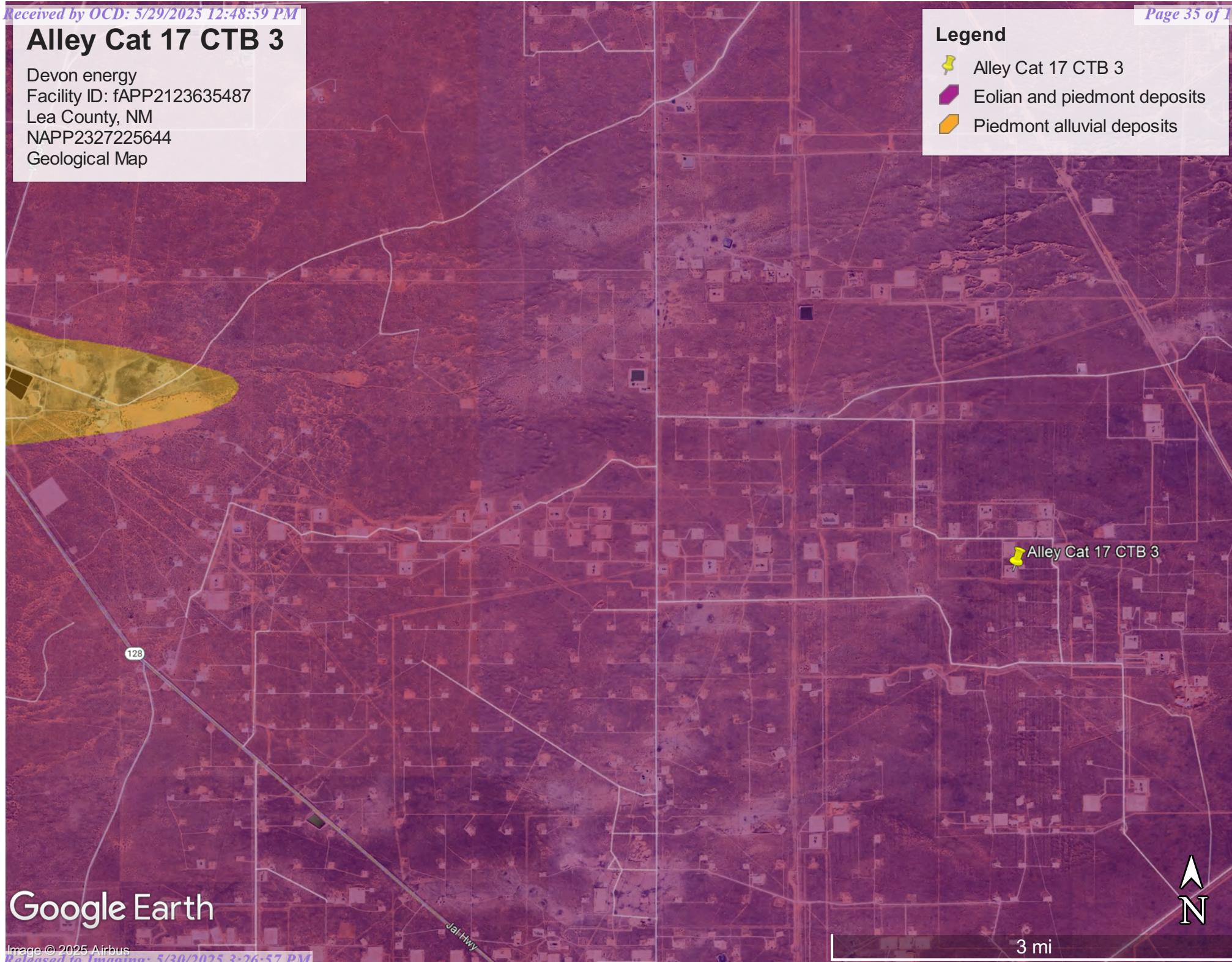


# Alley Cat 17 CTB 3

Devon energy  
Facility ID: fAPP2123635487  
Lea County, NM  
NAPP2327225644  
Geological Map

## Legend

-  Alley Cat 17 CTB 3
-  Eolian and piedmont deposits
-  Piedmont alluvial deposits



Google Earth

Image © 2025 Airbus



# National Flood Hazard Layer FIRMette



103°42'3"W 32°18'46"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/12/2025 at 4:57 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.

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

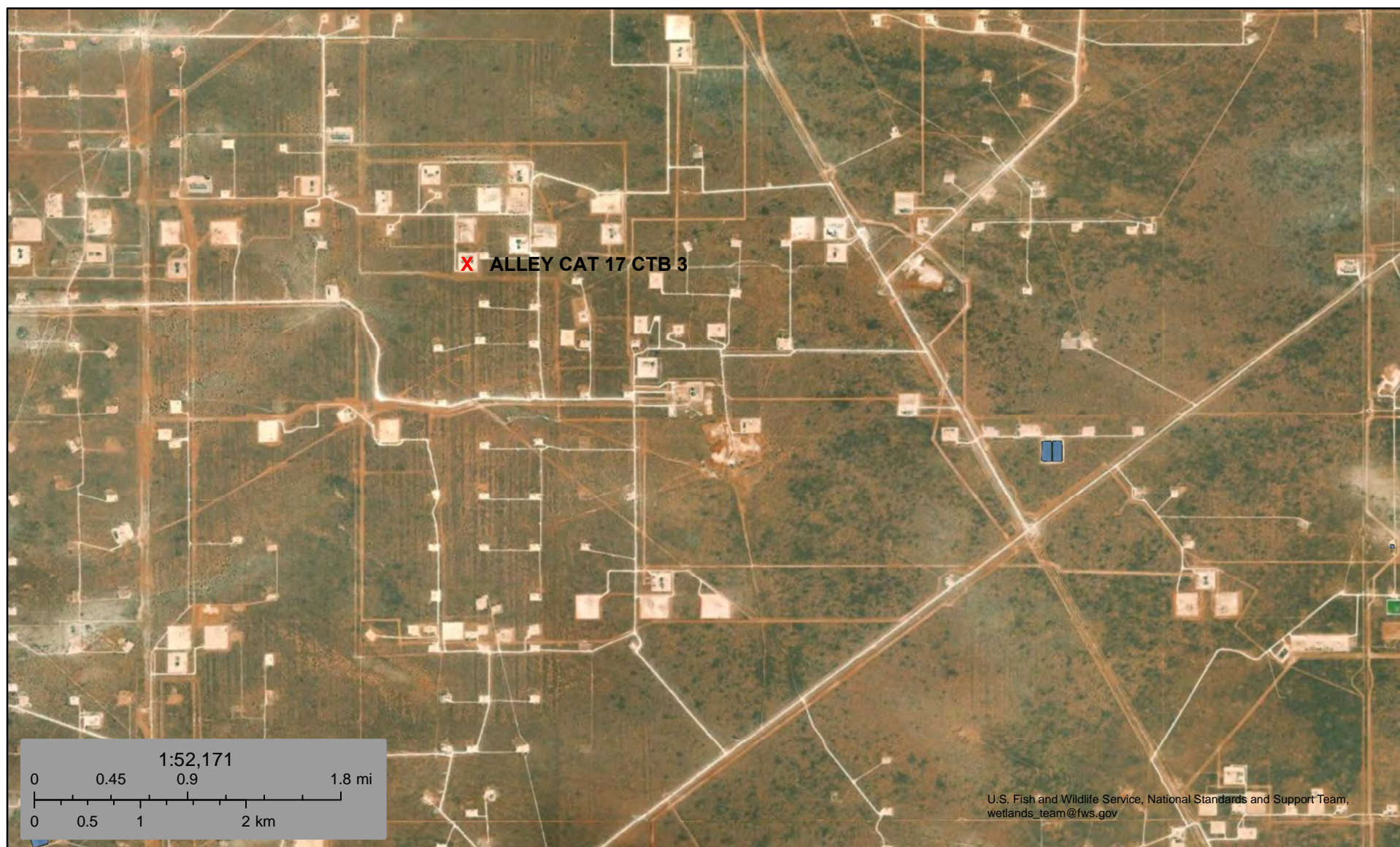
1:6,000

103°41'26"W 32°18'15"N





## Wetlands Map



May 12, 2025

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

# APPENDIX C

Liner Inspection Form

Photographic Documentation



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.





Pima Environmental Services, LLC

**Liner Inspection Form**Company Name: Devon EnergySite: Alley Cat 17 CTB 3Lat/Long: 32.308509, -103.695694

NMOCD Incident ID

& Incident Date: NAPP2327225644 9/28/2023

2-Day Notification

Sent: via Email by Dale Woodall on OCD portal 12/13/2023 (Application ID: 294188)Inspection Date: 12/15/2023

Liner Type:      Earthen w/liner                      Earthen no liner                      Polystar

**Steel w/poly liner**                      Steel w/spray epoxy                      No Liner

Other: \_\_\_\_\_

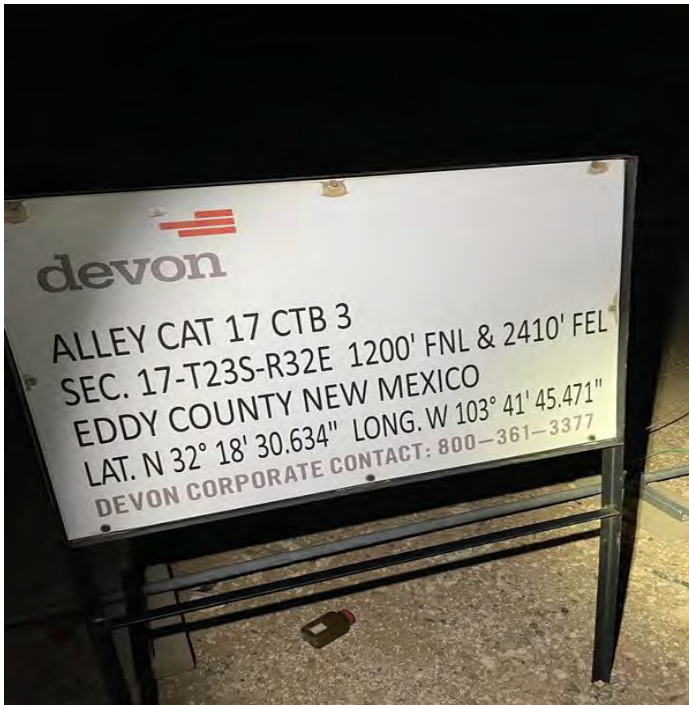
Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Fluids from power washing.
Does the liner have integrity to contain a leak?	X		

Comments: \_\_\_\_\_

Inspector Name: Andrew Franco      Inspector Signature: Andrew Franco



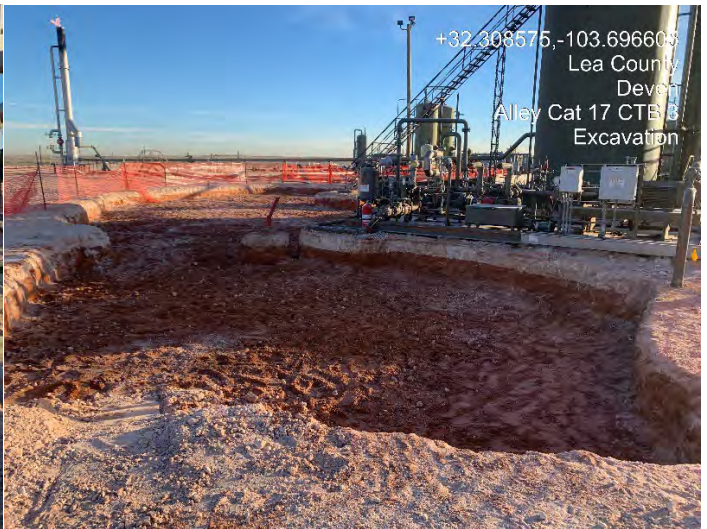
Site Assessment and Remediation



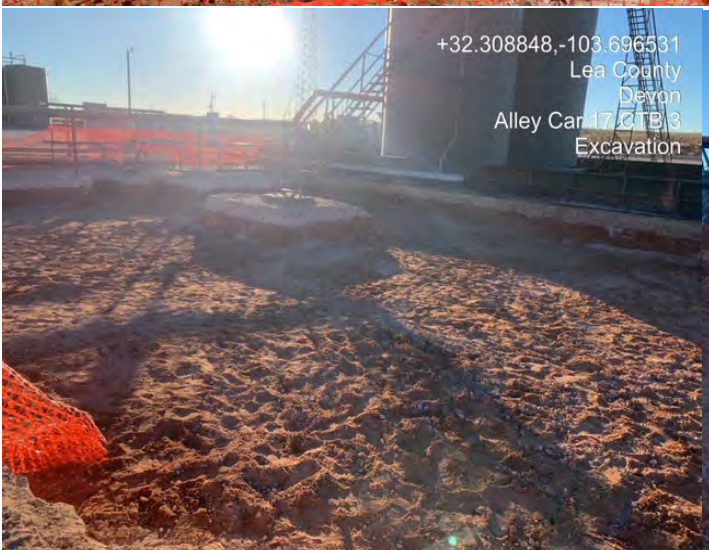
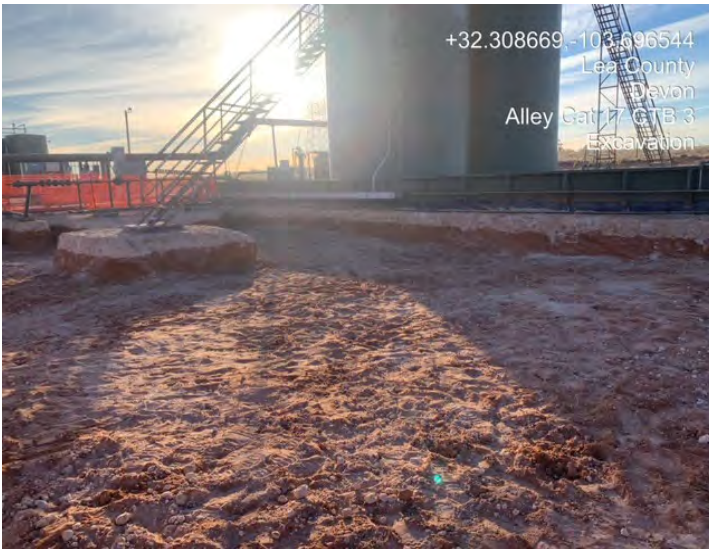




Excavation











Post Excavation







**SITE PHOTOGRAPHS  
DEVON ENERGY  
ALLEY CAT 17 CTB 3**

**Liner Inspection**











# APPENDIX D

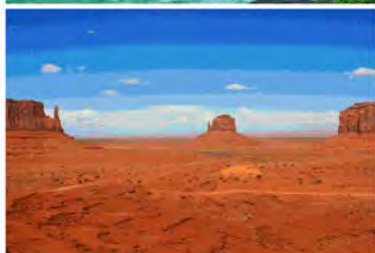
## Laboratory Results



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Alley Cat 17 CTB 3

Work Order: E310305

Job Number: 01058-0007

Received: 11/1/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/7/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 11/7/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Alley Cat 17 CTB 3  
Workorder: E310305  
Date Received: 11/1/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/1/2023 8:30:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
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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:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/07/23 15:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E310305-01A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S1 - 2'	E310305-02A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S1 - 3'	E310305-03A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S1 - 4'	E310305-04A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S2 - 1'	E310305-05A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S2 - 2'	E310305-06A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S2 - 3'	E310305-07A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S2 - 4'	E310305-08A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S3 - 1'	E310305-09A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S3 - 2'	E310305-10A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S3 - 3'	E310305-11A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S3 - 4'	E310305-12A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S4 - 1'	E310305-13A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S4 - 2'	E310305-14A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S4 - 3'	E310305-15A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
S4 - 4'	E310305-16A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 1	E310305-17A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 2	E310305-18A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 3	E310305-19A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 4	E310305-20A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 5	E310305-21A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW 6	E310305-22A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
BG 1	E310305-23A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S1 - 1'

E310305-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	0.0704	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	4.56	0.0250	1	11/01/23	11/03/23	
Toluene	4.04	0.0250	1	11/01/23	11/03/23	
o-Xylene	8.03	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	21.5	0.0500	1	11/01/23	11/03/23	
Total Xylenes	29.5	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	401	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		117 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	4800	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	1550	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
		192 %	50-200	11/02/23	11/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S1 - 2'

E310305-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	<b>0.0375</b>	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	<b>0.128</b>	0.0500	1	11/01/23	11/03/23	
Total Xylenes	<b>0.165</b>	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	<b>268</b>	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	<b>93.2</b>	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		89.7 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S1 - 3'

E310305-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	0.0747	0.0500	1	11/01/23	11/03/23	
Total Xylenes	0.0747	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	235	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	96.1	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		82.5 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S1 - 4'

E310305-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/06/23	
<i>Surrogate: n-Nonane</i>						
	72.7 %	50-200		11/02/23	11/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S2 - 1'

E310305-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	0.106	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	4.75	0.0250	1	11/01/23	11/03/23	
Toluene	4.65	0.0250	1	11/01/23	11/03/23	
o-Xylene	8.30	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	22.2	0.0500	1	11/01/23	11/03/23	
Total Xylenes	30.5	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		120 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	451	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		120 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	4850	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	1410	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
		190 %	50-200	11/02/23	11/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S2 - 2'

E310305-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	<b>0.0317</b>	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	<b>0.123</b>	0.0500	1	11/01/23	11/03/23	
Total Xylenes	<b>0.155</b>	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	<b>68.8</b>	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		82.9 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S2 - 3'

E310305-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	<b>0.0783</b>	0.0500	1	11/01/23	11/03/23	
Total Xylenes	<b>0.0783</b>	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	<b>230</b>	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	<b>109</b>	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	77.9 %	50-200		11/02/23	11/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S2 - 4'

E310305-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	78.9 %	50-200		11/02/23	11/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/04/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S3 - 1'

E310305-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	0.0251	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	2.62	0.0250	1	11/01/23	11/03/23	
Toluene	1.81	0.0250	1	11/01/23	11/03/23	
o-Xylene	4.88	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	12.9	0.0500	1	11/01/23	11/03/23	
Total Xylenes	17.8	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		121 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	279	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	4500	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	1320	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		149 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S3 - 2'

E310305-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	0.0775	0.0500	1	11/01/23	11/03/23	
Total Xylenes	0.0775	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.6 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	103	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		82.9 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S3 - 3'

E310305-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	188	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	81.9	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		85.6 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S3 - 4'

E310305-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	83.6 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S4 - 1'

E310305-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	0.0725	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	2.84	0.0250	1	11/01/23	11/03/23	
Toluene	2.97	0.0250	1	11/01/23	11/03/23	
o-Xylene	4.92	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	13.1	0.0500	1	11/01/23	11/03/23	
Total Xylenes	18.1	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	311	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	4390	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	1440	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		143 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S4 - 2'

E310305-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	0.0870	0.0500	1	11/01/23	11/03/23	
Total Xylenes	0.0870	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	31.1	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
		83.9 %	50-200	11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S4 - 3'

E310305-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	70.9 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

S4 - 4'

E310305-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	84.5 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	ND	20.0	1	11/04/23	11/05/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 1

## E310305-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2344041	
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.6 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2344041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2344077	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>	85.1 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2344116	
Chloride	170	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 2

## E310305-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	455	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 3

## E310305-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	86.1 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	155	20.0	1	11/04/23	11/05/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 4

## E310305-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		11/01/23	11/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344077
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
<i>Surrogate: n-Nonane</i>						
	85.1 %	50-200		11/02/23	11/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344116
Chloride	117	20.0	1	11/04/23	11/05/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 5

## E310305-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.3 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.3 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		85.1 %	50-200	11/03/23	11/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344118
Chloride	970	40.0	2	11/04/23	11/06/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## SW 6

## E310305-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		103 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.5 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		103 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.5 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		81.7 %	50-200	11/03/23	11/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344118
Chloride	816	40.0	2	11/04/23	11/06/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/7/2023 3:57:52PM

## BG 1

## E310305-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		100 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		100 %	70-130	11/01/23	11/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		87.1 %	50-200	11/03/23	11/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344118
Chloride	590	20.0	1	11/04/23	11/06/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

## 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 (2344042-BLK1)

Prepared: 11/01/23 Analyzed: 11/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

## LCS (2344042-BS1)

Prepared: 11/01/23 Analyzed: 11/02/23

Benzene	2.43	0.0250	2.50		97.4	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.35	0.0250	2.50		94.0	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.7	70-130			
Total Xylenes	7.07	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

## Matrix Spike (2344042-MS1)

Source: E310305-23

Prepared: 11/01/23 Analyzed: 11/02/23

Benzene	2.40	0.0250	2.50	ND	96.1	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.7	45-135			
Toluene	2.31	0.0250	2.50	ND	92.3	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.3	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	91.9	43-135			
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

## Matrix Spike Dup (2344042-MSD1)

Source: E310305-23

Prepared: 11/01/23 Analyzed: 11/02/23

Benzene	2.42	0.0250	2.50	ND	96.7	48-131	0.685	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	0.771	27	
Toluene	2.33	0.0250	2.50	ND	93.1	48-130	0.885	24	
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135	1.18	27	
p,m-Xylene	4.68	0.0500	5.00	ND	93.5	43-135	1.76	27	
Total Xylenes	7.06	0.0250	7.50	ND	94.2	43-135	1.56	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

## 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 (2344041-BLK1)

Prepared: 11/01/23 Analyzed: 11/03/23

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	7.42		8.00		92.8	70-130			

## LCS (2344041-BS1)

Prepared: 11/01/23 Analyzed: 11/03/23

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.93	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			

## Matrix Spike (2344041-MS1)

Source: E310305-07

Prepared: 11/01/23 Analyzed: 11/03/23

Benzene	4.89	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133			
Toluene	4.87	0.0250	5.00	ND	97.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.66	0.0500	10.0	0.0783	95.8	63-131			
Total Xylenes	14.5	0.0250	15.0	0.0783	95.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

## Matrix Spike Dup (2344041-MSD1)

Source: E310305-07

Prepared: 11/01/23 Analyzed: 11/03/23

Benzene	5.14	0.0250	5.00	ND	103	54-133	4.81	20	
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	61-133	4.98	20	
Toluene	5.12	0.0250	5.00	ND	102	61-130	4.86	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	4.92	20	
p,m-Xylene	10.2	0.0500	10.0	0.0783	101	63-131	5.01	20	
Total Xylenes	15.2	0.0250	15.0	0.0783	101	63-131	4.98	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

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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<b>Blank (2344041-BLK1)</b>					Prepared: 11/01/23 Analyzed: 11/03/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

<b>LCS (2344041-BS2)</b>					Prepared: 11/01/23 Analyzed: 11/03/23				
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

<b>Matrix Spike (2344041-MS2)</b>					<b>Source: E310305-07</b>		Prepared: 11/01/23 Analyzed: 11/03/23		
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

<b>Matrix Spike Dup (2344041-MSD2)</b>					<b>Source: E310305-07</b>		Prepared: 11/01/23 Analyzed: 11/03/23		
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	92.9	70-130	0.124	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

## 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 (2344042-BLK1)

Prepared: 11/01/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

## LCS (2344042-BS2)

Prepared: 11/01/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

## Matrix Spike (2344042-MS2)

Source: E310305-23

Prepared: 11/01/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.574		0.500		115	70-130			

## Matrix Spike Dup (2344042-MSD2)

Source: E310305-23

Prepared: 11/01/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	3.21	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:  11/7/2023 3:57:52PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344077-BLK1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.5		50.0		80.9	50-200			

LCS (2344077-BS1)					Prepared: 11/02/23 Analyzed: 11/02/23				
Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2344077-MS1)					Source: E310305-13		Prepared: 11/02/23 Analyzed: 11/02/23		
Diesel Range Organics (C10-C28)	4380	25.0	250	4390	NR	38-132			M4
Surrogate: n-Nonane	68.7		50.0		137	50-200			

Matrix Spike Dup (2344077-MSD1)					Source: E310305-13		Prepared: 11/02/23 Analyzed: 11/02/23		
Diesel Range Organics (C10-C28)	4490	25.0	250	4390	37.6	38-132	2.37	20	M4
Surrogate: n-Nonane	60.6		50.0		121	50-200			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

## 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 (2344092-BLK1)

Prepared: 11/03/23 Analyzed: 11/03/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	43.1		50.0		86.3	50-200			

## LCS (2344092-BS1)

Prepared: 11/03/23 Analyzed: 11/03/23

Diesel Range Organics (C10-C28)	211	25.0	250		84.5	38-132			
Surrogate: <i>n</i> -Nonane	41.2		50.0		82.4	50-200			

## Matrix Spike (2344092-MS1)

Source: E310306-24

Prepared: 11/03/23 Analyzed: 11/03/23

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	38-132			
Surrogate: <i>n</i> -Nonane	37.6		50.0		75.1	50-200			

## Matrix Spike Dup (2344092-MSD1)

Source: E310306-24

Prepared: 11/03/23 Analyzed: 11/03/23

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132	2.64	20	
Surrogate: <i>n</i> -Nonane	43.5		50.0		86.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:  11/7/2023 3:57:52PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344116-BLK1)					Prepared: 11/04/23 Analyzed: 11/04/23				
Chloride	ND	20.0							
LCS (2344116-BS1)					Prepared: 11/04/23 Analyzed: 11/04/23				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2344116-MS1)					Source: E310305-02		Prepared: 11/04/23 Analyzed: 11/04/23		
Chloride	244	20.0	250	ND	97.5	80-120			
Matrix Spike Dup (2344116-MSD1)					Source: E310305-02		Prepared: 11/04/23 Analyzed: 11/04/23		
Chloride	244	20.0	250	ND	97.8	80-120	0.284	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

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 (2344118-BLK1)					Prepared: 11/04/23 Analyzed: 11/06/23				
Chloride	ND	20.0							
LCS (2344118-BS1)					Prepared: 11/04/23 Analyzed: 11/06/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2344118-MS1)					Source: E310306-26		Prepared: 11/04/23 Analyzed: 11/06/23		
Chloride	363	200	250	593	NR	80-120			M2
Matrix Spike Dup (2344118-MSD1)					Source: E310306-26		Prepared: 11/04/23 Analyzed: 11/06/23		
Chloride	761	200	250	593	67.2	80-120	70.7	20	M2, R3

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:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/07/23 15:57

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- 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.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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 3

Client: Pima Environmental Services	Bill To	Lab Use Only		TAT				EPA Program	
Project: <u>Alley Cat 17 CTB 3</u>	Attention: <u>Devon</u>	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	<u>E310305</u>	<u>210558-0007</u>				<u>X</u>		
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method							RCRA
City, State, Zip: Hobbs, NM, 88240	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone: 580-748-1613	Email:								State
Email: tom@pimaoil.com	Pima Project # <u>361-1</u>								NM CO UT AZ TX
Report due by:									<u>X</u>

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:31	10/30	S		S1-1'	1							<u>X</u>		
11:36	1	1		S1-2'	2									
11:45	1	1		S1-3'	3									
11:52	1	1		S1-4'	4									
11:59	1	1		S2-1'	5									
12:07	1	1		S2-2'	6									
12:10	1	1		S2-3'	7									
12:17	1	1		S2-4'	8									
12:21	1	1		S3-1'	9									
12:29	1	1		S3-2'	10									

## Additional Instructions:

B#21233012

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

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>10/31</u>	Time <u>12:35</u>	Received by: (Signature) <u>Michelle Guey</u>	Date <u>10-31-23</u>	Time <u>1235</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Guey</u>	Date <u>10-31-23</u>	Time <u>1545</u>	Received by: (Signature) <u>Adam Mills</u>	Date <u>10-31-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Adam Mills</u>	Date <u>10-31-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Lacey Hoge</u>	Date <u>11/1/23</u>	Time <u>8:30</u>	

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

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

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



## Project Information

## Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: <u>Alley Cat 17 CTB3</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>366-1</u>					Lab Use Only Lab WO# <u>E310305</u> Job Number <u>11055-0001</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX <u>X</u>				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
12:31	10/30	S		S3-3'	11							X								
12:36				S3-4'	12															
12:45				S4-1'	13															
12:51				S4-2'	14															
1:10				S4-3'	15															
1:19				S4-4'	16															
1:21				SW1	17															
1:29				SW2	18															
1:31				SW3	19															
1:39				SW4	20															

Additional Instructions: B# 21233012

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

Sampled by: Michelle Cuyf Date: 10/31 Time: 12:35

Relinquished by: (Signature) Michelle Cuyf Date: 10-31-23 Time: 1545

Relinquished by: (Signature) Michelle Cuyf Date: 10-31-23 Time: 2400

Received by: (Signature) Michelle Cuyf Date: 10/31/23 Time: 1235

Received by: (Signature) Michelle Cuyf Date: 10-31-23 Time: 1730

Received by: (Signature) Michelle Cuyf Date: 11/1/23 Time: 8:30

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.

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

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

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



## Project Information

## Chain of Custody

Page 3 of 3

Client: Pima Environmental Services Project: <u>Alley Cat 17 CTB 3</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>361-1</u>					Lab Use Only						TAT				EPA Program	
										Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA
										E 310305		01058-0003							X		
										Analysis and Method											
												State									
												NM	CO	UT	AZ	TX					
												Remarks									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX								
1:45	10/30	S		SW5	21							X									
1:51				SWb	22																
1:59				BG1	23																
Additional Instructions: <u>B# 21233012</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.									
Relinquished by: (Signature) <u>Karime Adams</u> Date <u>10/31</u> Time <u>12:35</u>												Received by: (Signature) <u>Michelle Cuyf</u> Date <u>10/31/23</u> Time <u>12:35</u>									
Relinquished by: (Signature) <u>Michelle Cuyf</u> Date <u>10-31-23</u> Time <u>1545</u>												Received by: (Signature) <u>John M. 1770</u> Date <u>10-31-23</u> Time <u>1730</u>									
Relinquished by: (Signature) <u>John M. 1770</u> Date <u>10-31-23</u> Time <u>2400</u>												Received by: (Signature) <u>Daay Pro</u> Date <u>11/1/23</u> Time <u>8:30</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



## Envirotech Analytical Laboratory

Printed: 11/1/2023 11:03:11AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/01/23 08:30	Work Order ID:	E310305
Phone:	(575) 631-6977	Date Logged In:	10/31/23 14:46	Logged In By:	Lacey Rodgers
Email:	tom@pimaoil.com	Due Date:	11/07/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Tom Bynum



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Alley Cat 17 CTB 3

Work Order: E311082

Job Number: 01058-0007

Received: 11/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/16/23

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

Date Reported: 11/16/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Alley Cat 17 CTB 3  
Workorder: E311082  
Date Received: 11/10/2023 9:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/10/2023 9:00:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 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  
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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:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/23 15:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW5	E311082-01A	Soil	11/08/23	11/10/23	*** DEFAULT CONTAINER ***
SW6	E311082-02A	Soil	11/08/23	11/10/23	*** DEFAULT CONTAINER ***



## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 11/16/2023 3:17:52PM
---	--	--

### SW5

#### E311082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2346016	
Benzene	ND	0.0250	1	11/13/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/15/23	
Toluene	ND	0.0250	1	11/13/23	11/15/23	
o-Xylene	ND	0.0250	1	11/13/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.3 %	70-130		11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2346016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2346041	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
<i>Surrogate: n-Nonane</i>	95.1 %	50-200		11/15/23	11/16/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2346032	
Chloride	208	20.0	1	11/14/23	11/15/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
11/16/2023 3:17:52PM

## SW6

## E311082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2346016
Benzene	ND	0.0250	1	11/13/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/15/23	
Toluene	ND	0.0250	1	11/13/23	11/15/23	
o-Xylene	ND	0.0250	1	11/13/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2346016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		11/13/23	11/15/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346041
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	57.8	50.0	1	11/15/23	11/16/23	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		11/15/23	11/16/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346032
Chloride	295	20.0	1	11/14/23	11/15/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:17:52PM

## Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2346016-BLK1)

Prepared: 11/13/23 Analyzed: 11/15/23

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	7.52		8.00		94.0	70-130			

## LCS (2346016-BS1)

Prepared: 11/13/23 Analyzed: 11/15/23

Benzene	4.99	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	4.93	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			

## Matrix Spike (2346016-MS1)

Source: E311071-02

Prepared: 11/13/23 Analyzed: 11/15/23

Benzene	4.76	0.0250	5.00	ND	95.3	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.69	0.0250	5.00	ND	93.8	63-131			
p,m-Xylene	9.52	0.0500	10.0	ND	95.2	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

## Matrix Spike Dup (2346016-MSD1)

Source: E311071-02

Prepared: 11/13/23 Analyzed: 11/15/23

Benzene	4.83	0.0250	5.00	ND	96.6	54-133	1.38	20	
Ethylbenzene	4.77	0.0250	5.00	ND	95.3	61-133	1.85	20	
Toluene	4.82	0.0250	5.00	ND	96.4	61-130	1.87	20	
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131	2.30	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	2.06	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	2.14	20	
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:  11/16/2023 3:17:52PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346016-BLK1) Prepared: 11/13/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS (2346016-BS2) Prepared: 11/13/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

Matrix Spike (2346016-MS2) Source: E311071-02 Prepared: 11/13/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

Matrix Spike Dup (2346016-MSD2) Source: E311071-02 Prepared: 11/13/23 Analyzed: 11/15/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.4	70-130	8.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:  11/16/2023 3:17:52PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

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

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

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





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:17:52PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346032-BLK1)					Prepared: 11/14/23 Analyzed: 11/15/23				
Chloride	ND	20.0							
LCS (2346032-BS1)					Prepared: 11/14/23 Analyzed: 11/15/23				
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2346032-MS1)					Source: E311087-04		Prepared: 11/14/23 Analyzed: 11/15/23		
Chloride	3640	200	250	3570	30.8	80-120			M4
Matrix Spike Dup (2346032-MSD1)					Source: E311087-04		Prepared: 11/14/23 Analyzed: 11/15/23		
Chloride	3790	200	250	3570	91.1	80-120	4.05	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:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/23 15:17

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



## Chain of Custody

Client: Pima Environmental Services					Bill To		Lab Use Only					TAT			EPA Program							
Project: Alley cat 17CTB3					Attention: Devon		Lab WO# E311082		Job Number 01058-0007			1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Tom Bynum					Address:		Analysis and Method										RCRA					
Address: 5614 N. Lovington Hwy.					City, State, Zip																	
City, State, Zip Hobbs, NM, 88240					Phone:		State										NM		CO	UT	AZ	TX
Phone: 580-748-1613					Email:												X					
Email: tom@pimaoil.com					Pima Project # 364-1		Remarks															
Report due by:																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX									
1:30	11/8	S		SW5	1							X										
1:35	L	L		SW6	2							L										
Additional Instructions: Billing # 21233012																						
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 Hame												Received by: (Signature) Michelle Gayh										
Date 11/9/23												Time 2:15										
Relinquished by: (Signature) Michelle Gayh												Received by: (Signature) Andrew M. S.										
Date 11-9-23												Time 1730										
Relinquished by: (Signature) Andrew M. S.												Received by: (Signature) M. S.										
Date 11-9-23												Time 2400										
												Date 11-9-23										
												Time 1415										
												Date 11-9-23										
												Time 1830										
												Date 11/10/23										
												Time 9:00										
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: 11/13/2023 9:55:01AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/10/23 09:00	Work Order ID:	E311082
Phone:	(575) 631-6977	Date Logged In:	11/09/23 16:37	Logged In By:	Jordan Montano
Email:	tom@pimaoil.com	Due Date:	11/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

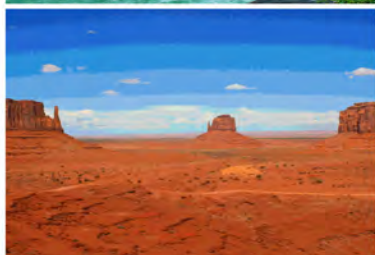
Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Alley Cat 17 CTB 7

Work Order: E312126

Job Number: 01058-0007

Received: 12/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/20/23

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: 12/20/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Alley Cat 17 CTB 7  
Workorder: E312126  
Date Received: 12/19/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2023 7:30:00AM, under the Project Name: Alley Cat 17 CTB 7.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 7 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 7	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/23 15:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottom	E312126-01A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CS2 Bottom	E312126-02A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CS3 Bottom	E312126-03A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CS4 Bottom	E312126-04A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CS5 Bottom	E312126-05A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CS6 Bottom	E312126-06A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW1	E312126-07A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW2	E312126-08A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW3	E312126-09A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW4	E312126-10A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW5	E312126-11A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW6	E312126-12A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW7	E312126-13A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW8	E312126-14A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW9	E312126-15A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW10	E312126-16A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW11	E312126-17A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.
CSW12	E312126-18A	Soil	12/15/23	12/19/23	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Alley Cat 17 CTB 7 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 12/20/2023 3:41:16PM
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### CS1 Bottom

#### E312126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351037	
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
<i>Surrogate: Bromofluorobenzene</i>	107 %	70-130		12/19/23	12/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.6 %	70-130		12/19/23	12/19/23	
<i>Surrogate: Toluene-d8</i>	108 %	70-130		12/19/23	12/19/23	

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2351037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
<i>Surrogate: Bromofluorobenzene</i>	107 %	70-130		12/19/23	12/19/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.6 %	70-130		12/19/23	12/19/23	
<i>Surrogate: Toluene-d8</i>	108 %	70-130		12/19/23	12/19/23	

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2351039	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
<i>Surrogate: n-Nonane</i>	83.8 %	50-200		12/19/23	12/19/23	

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2351043	
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CS2 Bottom

## E312126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		106 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		106 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		82.3 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CS3 Bottom

## E312126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		84.8 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CS4 Bottom

## E312126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		85.9 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CS5 Bottom

## E312126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		109 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		84.6 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CS6 Bottom

## E312126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		94.0 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW1

## E312126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		94.0 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW2

## E312126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		94.4 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW3

## E312126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		93.4 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW4

## E312126-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		105 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		105 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		102 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW5

## E312126-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		103 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW6

## E312126-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		99.0 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW7

## E312126-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		112 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		112 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		99.8 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW8

## E312126-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		108 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		85.1 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW9

## E312126-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		86.8 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	





## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW10

## E312126-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		83.9 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW11

## E312126-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		107 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		84.5 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## Sample Data

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

Project Name: Alley Cat 17 CTB 7  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/20/2023 3:41:16PM

## CSW12

## E312126-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Benzene	ND	0.0250	1	12/19/23	12/19/23	
Ethylbenzene	ND	0.0250	1	12/19/23	12/19/23	
Toluene	ND	0.0250	1	12/19/23	12/19/23	
o-Xylene	ND	0.0250	1	12/19/23	12/19/23	
p,m-Xylene	ND	0.0500	1	12/19/23	12/19/23	
Total Xylenes	ND	0.0250	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2351037
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/23	12/19/23	
Surrogate: Bromofluorobenzene		120 %	70-130	12/19/23	12/19/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	12/19/23	12/19/23	
Surrogate: Toluene-d8		109 %	70-130	12/19/23	12/19/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2351039
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/23	12/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/23	12/19/23	
Surrogate: n-Nonane		83.4 %	50-200	12/19/23	12/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2351043
Chloride	ND	20.0	1	12/19/23	12/19/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 7	<b>Reported:</b> 12/20/2023 3:41:16PM
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 (2351037-BLK1)

Prepared: 12/19/23 Analyzed: 12/19/23

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	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

## LCS (2351037-BS1)

Prepared: 12/19/23 Analyzed: 12/19/23

Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.54	0.0250	2.50		102	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.01	0.0500	5.00		100	70-130			
Total Xylenes	7.52	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

## Matrix Spike (2351037-MS1)

Source: E312126-08

Prepared: 12/19/23 Analyzed: 12/19/23

Benzene	2.68	0.0250	2.50	ND	107	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.64	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.94	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## Matrix Spike Dup (2351037-MSD1)

Source: E312126-08

Prepared: 12/19/23 Analyzed: 12/19/23

Benzene	2.72	0.0250	2.50	ND	109	48-131	1.63	23	
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135	2.75	27	
Toluene	2.68	0.0250	2.50	ND	107	48-130	2.23	24	
o-Xylene	2.71	0.0250	2.50	ND	109	43-135	2.61	27	
p,m-Xylene	5.40	0.0500	5.00	ND	108	43-135	1.93	27	
Total Xylenes	8.12	0.0250	7.50	ND	108	43-135	2.15	27	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 7	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2351037-BLK1)

Prepared: 12/19/23 Analyzed: 12/19/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

## LCS (2351037-BS2)

Prepared: 12/19/23 Analyzed: 12/19/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

## Matrix Spike (2351037-MS2)

Source: E312126-08

Prepared: 12/19/23 Analyzed: 12/19/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

## Matrix Spike Dup (2351037-MSD2)

Source: E312126-08

Prepared: 12/19/23 Analyzed: 12/19/23

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	1.73	20	
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 7	Reported:  12/20/2023 3:41:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2351039-BLK1)					Prepared: 12/19/23 Analyzed: 12/19/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			

LCS (2351039-BS1)					Prepared: 12/19/23 Analyzed: 12/19/23				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

Matrix Spike (2351039-MS1)					Source: E312126-06		Prepared: 12/19/23 Analyzed: 12/19/23		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			

Matrix Spike Dup (2351039-MSD1)					Source: E312126-06		Prepared: 12/19/23 Analyzed: 12/19/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.914	20	
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 7	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

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 (2351043-BLK1)					Prepared: 12/19/23 Analyzed: 12/19/23				
Chloride	ND	20.0							
LCS (2351043-BS1)					Prepared: 12/19/23 Analyzed: 12/19/23				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2351043-MS1)					Source: E312126-02		Prepared: 12/19/23 Analyzed: 12/19/23		
Chloride	247	20.0	250	ND	98.6	80-120			
Matrix Spike Dup (2351043-MSD1)					Source: E312126-02		Prepared: 12/19/23 Analyzed: 12/19/23		
Chloride	248	20.0	250	ND	99.0	80-120	0.432	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:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/23 15:41

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Project Information

## Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program							
Project: <u>Alley Cat 17 CTB 7</u>					Attention: <u>Devon</u>					Lab WO# <u>E 312120</u>					Job Number <u>01068-0007</u>				1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:					Analysis and Method																
Address: 5614 N. Lovington Hwy.					City, State, Zip																					
City, State, Zip Hobbs, NM, 88240					Phone:																					
Phone: 580-748-1613					Email:																					
Email: tom@pimaoil.com					Pima Project # <u>361-1</u>																					
Report due by:																										

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:04	12/15	S		CS1	1							X		
12:11				CS2	2									
12:17				CS3	3									
12:21				CS4	4									
12:33				CS5	5									
12:41				CS6	6									
12:46				CSW1	7									
12:55				CSW2	8									
1:03				CSW3	9									
1:11				CSW4	10									

Additional Instructions: B# 2/23/30/2

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>0</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Karime Adame</u>	<u>12/18/23</u>	<u>2:30</u>	<u>Michelle Gayl</u>	<u>12-18-23</u>	<u>1430</u>	
<u>Michelle Gayl</u>	<u>12-18-23</u>	<u>1700</u>	<u>Andrew Russo</u>	<u>12-19-23</u>	<u>1900</u>	
<u>Andrew Russo</u>	<u>12-19-23</u>	<u>2400</u>	<u>Manfenes</u>	<u>12-19-23</u>	<u>730</u>	

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

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

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



## Project Information

## Chain of Custody

Page 2 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Alley cat 17 CTB 7</u>					Attention: <u>Devon</u>		Lab WO# <u>E 3121210</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/RO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		Chloride 300.0						BGDOC NM		BGDOC TX	
Phone: 580-748-1613					Email:										State	
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>361-1</u>										NM CO UT AZ TX	
Report due by:															X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks										
1:17	12/15	S		CSW5	11	X										
1:19				CSW6	12											
1:21				CSW7	13											
1:30				CSW8	14											
1:39				CSW9	15											
1:45				CSW10	16											
1:55				CSW11	17											
2:06				CSW12	18											
Additional Instructions: <u>B # 21233012</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								
<u>Karime Adame</u>		<u>12/18/23</u>	<u>2:30</u>	<u>Michelle Gay</u>		<u>12-18-23</u>	<u>1430</u>	Received on ice: <u>Y/N</u>								
<u>Michelle Gay</u>		<u>12-18-23</u>	<u>1700</u>	<u>Andrew Moss</u>		<u>12-19-23</u>	<u>1900</u>	T1 _____ T2 _____ T3 _____								
<u>Andrew Moss</u>		<u>12-19-23</u>	<u>2400</u>	<u>Andrew Moss</u>		<u>12-19-23</u>	<u>7:30</u>	AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

## Envirotech Analytical Laboratory

Printed: 12/19/2023 7:57:23AM

## 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:	12/19/23 07:30	Work Order ID:	E312126
Phone:	(575) 631-6977	Date Logged In:	12/18/23 15:24	Logged In By:	Jordan Montano
Email:	tom@pimaoil.com	Due Date:	12/19/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No of containers not listed on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Lynsey Coons



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Alley Cat 17 CTB 3

Work Order: E505035

Job Number: 01058-0007

Received: 5/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/8/25

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: 5/8/25

Lynsey Coons  
PO Box 247  
Plains, TX 79355-0247



Project Name: Alley Cat 17 CTB 3  
Workorder: E505035  
Date Received: 5/5/2025 7:45:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
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Field Offices:

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

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/08/25 15:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BACKFILL 1	E505035-01A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
BACKFILL 2	E505035-02A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Lynsey Coons

**Reported:**  
5/8/2025 3:26:28PM

### BACKFILL 1

#### E505035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519025	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2519022	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>		95.3 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2519021	
Chloride	ND	20.0	1	05/05/25	05/06/25	





## Sample Data

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

Project Name: Alley Cat 17 CTB 3  
Project Number: 01058-0007  
Project Manager: Lynsey Coons

**Reported:**  
5/8/2025 3:26:28PM

## BACKFILL 2

## E505035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519025
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519025
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.0 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519022
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		94.4 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2519021
Chloride	ND	20.0	1	05/05/25	05/06/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/8/2025 3:26:28PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519025-BLK1)Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.90		8.00		111	70-130			

LCS (2519025-BS1)Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.84		8.00		111	70-130			

Matrix Spike (2519025-MS1)Source: E505038-02Prepared: 05/05/25 Analyzed: 05/07/25

Benzene	5.37	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.38	0.0250	5.00	ND	108	70-130			
Toluene	5.40	0.0250	5.00	ND	108	70-130			
o-Xylene	5.30	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.92		8.00		112	70-130			

Matrix Spike Dup (2519025-MSD1)Source: E505038-02Prepared: 05/05/25 Analyzed: 05/07/25

Benzene	5.17	0.0250	5.00	ND	103	70-130	3.74	27	
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130	3.75	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	3.76	20	
o-Xylene	5.13	0.0250	5.00	ND	103	70-130	3.37	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	3.56	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	3.50	26	
Surrogate: 4-Bromochlorobenzene-PID	8.90		8.00		111	70-130			

## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/8/2025 3:26:28PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2519025-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

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

## LCS (2519025-BS2)

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			

## Matrix Spike (2519025-MS2)

Source: E505038-02

Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

## Matrix Spike Dup (2519025-MSD2)

Source: E505038-02

Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	39.0	20.0	50.0	ND	78.0	70-130	14.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:  5/8/2025 3:26:28PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2519022-BLK1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.7	61-141			

LCS (2519022-BS1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	236	25.0	250		94.4	66-144			
Surrogate: n-Nonane	43.5		50.0		86.9	61-141			

Matrix Spike (2519022-MS1)					Source: E505030-11		Prepared: 05/05/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156			
Surrogate: n-Nonane	44.0		50.0		87.9	61-141			

Matrix Spike Dup (2519022-MSD1)					Source: E505030-11		Prepared: 05/05/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156	3.79	20	
Surrogate: n-Nonane	45.7		50.0		91.3	61-141			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/8/2025 3:26:28PM

Anions by EPA 300.0/9056A

Analyst: DT

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 (2519021-BLK1)					Prepared: 05/05/25 Analyzed: 05/05/25				
Chloride	ND	20.0							
LCS (2519021-BS1)					Prepared: 05/05/25 Analyzed: 05/05/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2519021-MS1)					Source: E505027-03		Prepared: 05/05/25 Analyzed: 05/05/25		
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2519021-MSD1)					Source: E505027-03		Prepared: 05/05/25 Analyzed: 05/05/25		
Chloride	266	20.0	250	ND	106	80-120	0.308	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:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/08/25 15:26

- 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.



Page 12 of 13

## Envirotech Analytical Laboratory

Printed: 5/5/2025 9:51:52AM

## 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:	05/05/25 07:45	Work Order ID:	E505035
Phone:	(575) 631-6977	Date Logged In:	05/05/25 09:47	Logged In By:	Noe Soto
Email:	lynsey@pimaoil.com	Due Date:	05/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierSample 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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

No. of containers and sampled by not provided on COC.

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

Date



envirotech Inc.



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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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 468857

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2327225644
Incident Name	NAPP2327225644 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

**Location of Release Source**

Please answer all the questions in this group.

Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	09/28/2023
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   Separator   Crude Oil   Released: 85 BBL   Recovered: 74 BBL   Lost: 11 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)	The LACT was back flowing into the tanks causing a spill on the pad. The wells were shut in to stop the leak. release was in lined containment and on pad. 74 bbls recovered from lined containment. 10 bbls lost

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QUESTIONS, Page 2

Action 468857

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	74 bbls recovered from lined containment. 10 bbls lost

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: 05/14/2024
--	--

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 468857

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6741
GRO+DRO (EPA SW-846 Method 8015M)	451
BTEX (EPA SW-846 Method 8021B or 8260B)	29.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	12/01/2023
On what date will (or did) the final sampling or liner inspection occur	12/15/2023
On what date will (or was) the remediation complete(d)	12/15/2023
What is the estimated surface area (in square feet) that will be reclaimed	1264
What is the estimated volume (in cubic yards) that will be reclaimed	133
What is the estimated surface area (in square feet) that will be remediated	1264
What is the estimated volume (in cubic yards) that will be remediated	133
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 468857

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	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	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 05/14/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division  
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Action 468857

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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



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Action 468857

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	294188
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/15/2023
What was the (estimated) number of samples that were to be gathered	18
What was the sampling surface area in square feet	1195

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1264
What was the total volume (cubic yards) remediated	133
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1264
What was the total volume (in cubic yards) reclaimed	233
Summarize any additional remediation activities not included by answers (above)	liner inspection is included in the report
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/14/2024

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Action 468857

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1195
What was the total volume of replacement material (in cubic yards) for this site	133
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	12/01/2040
Summarize any additional reclamation activities not included by answers (above)	Initial sampling was completed, excavated to 3', backfilled excavated area, and collected confirmation samples.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/29/2025

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Action 468857

QUESTIONS (continued)

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	Action Number:  468857
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 468857

**CONDITIONS**

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	Action Number: 468857
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	5/30/2025