Alley Cat 17 CTB 3

OCD incident nAPP2327225644

9/28/2023

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
0.00	0.00
Cubic Feet of Soil Impacted	0.00
Barrels of Soil Impacted	0.00
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.00
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.00
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
5,929.00	0.13
Standing fluid	10.98
Total fluids spilled	**10.98**

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	60
Width(Ft)	40
Depth(in.)	2.50
Total Capacity without tank displacements (bbls)	**89.05**
No. of 500 bbl Tanks In Standing Fluid	2.00
No. of Other Tanks In Standing Fluid	1.00
OD Of Other Tanks In Standing Fluid(feet)	5.00
Total Volume of standing fluid accounting for tank displacement.	74.33

Fluids spilled in containment (bbls)	**74.33**
Impacted surface soils (bbls)	**10.98**
Total Fluids Spilled (bbls)	**85.31**

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

May 9, 2024

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

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

Re: Site Assessment, Remediation, and Closure Report
Alley Cat 17 CTB 3
API No. N/A
GPS: Latitude 32.308509 Longitude -103.695694
UL - J, 17, T23S, R32E
Lea County, NM
NMOCD Ref. No. NAPP2327225644

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Alley Cat 17 CTB 3 (Alley). This incident was assigned Incident ID NAPP2327225644 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Alley is located approximately twenty-three (23) miles northeast of Malaga, NM. This spill site is in Unit J, 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, eroded 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 (Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer water well (C-03851-POD 1), the depth to the nearest groundwater in this vicinity measures 713 feet below grade surface (BGS), positioned 0.72 of a mile away from the Alley, drilled, October 2,2015. Conversely, as per the United States Geological Survey well water data (USGS321609103445901), the nearest groundwater depth in this region is recorded at 100 feet BGS, situated approximately 4.16 miles away from the Alley, with the last gauge conducted in 2012. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.

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

Reference Figure 2 for a Topographic Map.

Release Information

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 fluid was calculated to be 85 barrels of crude oil. Approximately 75 bbls of standing fluid was recovered. The spill affected containment and pad.

Remediation Activities, Site Assessment, and Soil Sampling Results

On October 30, and November 8 of 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

10-30-23 & 11-8-23 Soil Sample Results

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	Date Sampled	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	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
S-2		1'	30.5	0.106	451	4850	1410	6741.606	ND
		2'	0.155	ND	ND	68.6	ND	68.755	ND
		3'	0.0783	ND	ND	230	109	339.0783	ND
		4'	ND	ND	ND	ND	ND	0	ND
S-3		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
S-4		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
SW 1 Comp		0-4'	ND	ND	ND	ND	ND	0	170
SW 2 Comp		0-4'	ND	ND	ND	ND	ND	0	455
SW 3 Comp		0-4'	ND	ND	ND	ND	ND	0	155
SW 4 Comp		0-4'	ND	ND	ND	ND	ND	0	117
SW 5 Comp		0-4'	ND	ND	ND	ND	ND	0	970
SW 5 Comp	11/8/2023	0-4'	ND	ND	ND	57.8	ND	57.8	295
SW 6 Comp	10/30/2023	0-4'	ND	ND	ND	ND	ND	0	816
SW 6 Comp	11/8/2023	0-4'	ND	ND	ND	ND	ND	0	ND
BG1	10/30/2023	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On December 1, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began 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 (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

12-15-23 Confirmation Sample Results

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	Date Sampled	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	12/15/2023	3'	ND	ND	ND	ND	ND	0	ND
CS 2		3'	ND	ND	ND	ND	ND	0	ND
CS 3		3'	ND	ND	ND	ND	ND	0	ND
CS 4		3'	ND	ND	ND	ND	ND	0	ND
CS 5		3'	ND	ND	ND	ND	ND	0	ND
CS 6		3'	ND	ND	ND	ND	ND	0	ND
CSW1		3'	ND	ND	ND	ND	ND	0	ND
CSW2		3'	ND	ND	ND	ND	ND	0	ND
CSW3		3'	ND	ND	ND	ND	ND	0	ND
CSW4		3'	ND	ND	ND	ND	ND	0	ND
CSW5		3'	ND	ND	ND	ND	ND	0	ND
CSW6		3'	ND	ND	ND	ND	ND	0	ND
CSW7		3'	ND	ND	ND	ND	ND	0	ND
CSW8		3'	ND	ND	ND	ND	ND	0	ND
CSW9		3'	ND	ND	ND	ND	ND	0	ND
CSW10		3'	ND	ND	ND	ND	ND	0	ND
CSW11		3'	ND	ND	ND	ND	ND	0	ND
CSW12		3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Liner Inspection

On December 15,2023, after submitting the 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 the fluids. The liner inspection form and photographic documentation can be found in Appendix D.

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

Closure Request

After careful review, Pima requests that this incident, NAPP2327225644, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – 48 Hour Notifications
Appendix D – Liner Inspection Form & Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

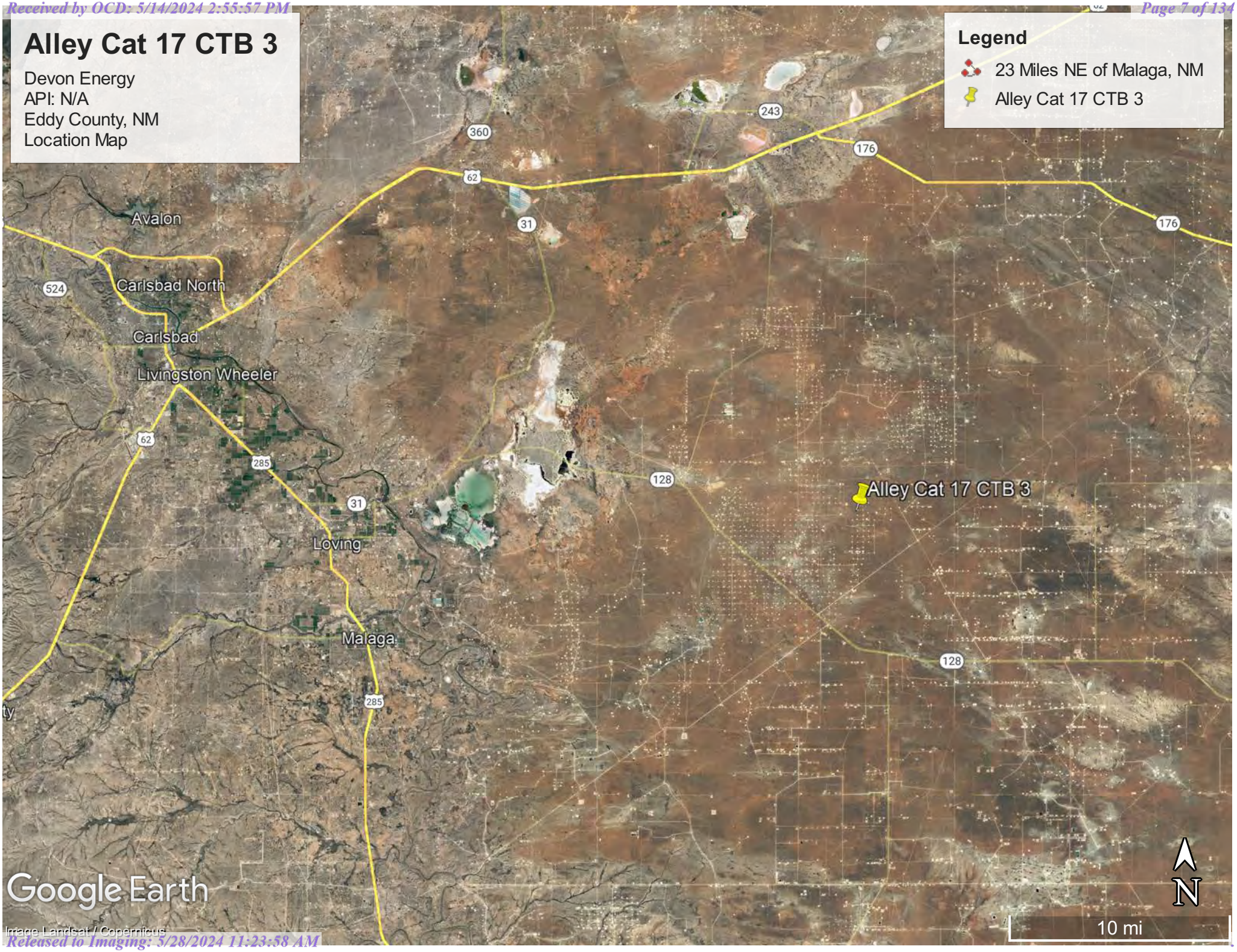
3-Karst Map

4-Site Maps

5-Confirmation Sample Map

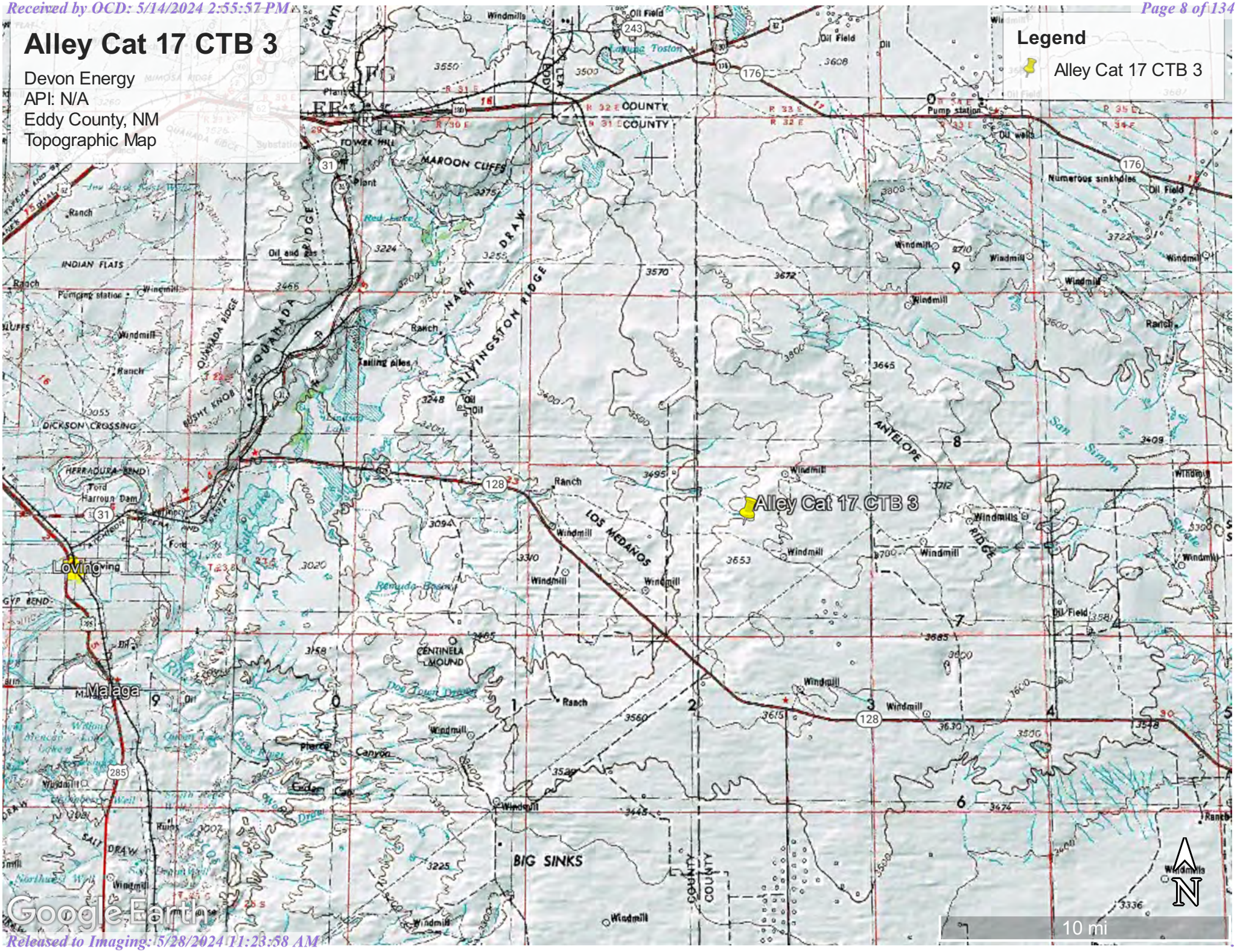
Alley Cat 17 CTB 3

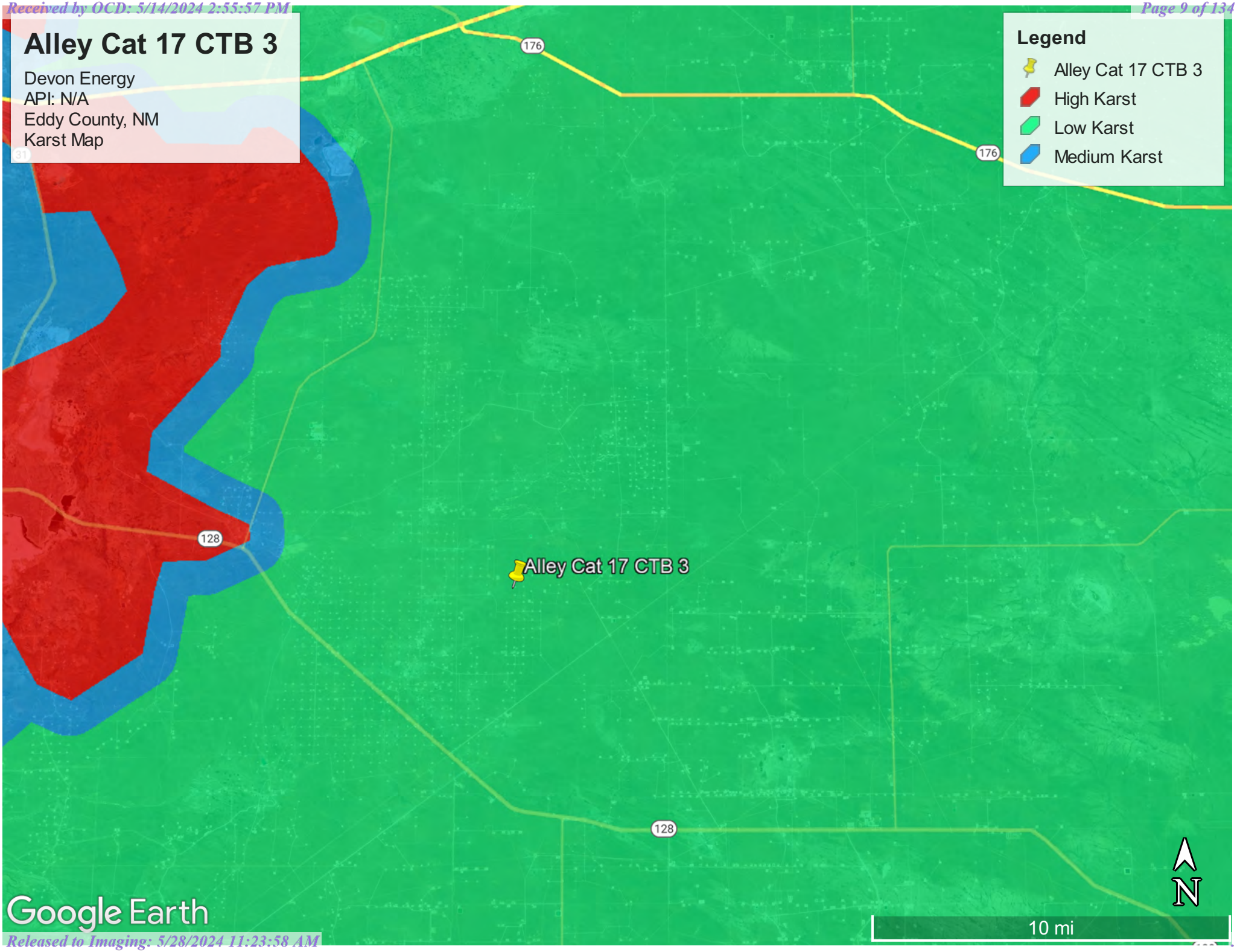
Devon Energy
API: N/A
Eddy County, NM
Location Map



Alley Cat 17 CTB 3

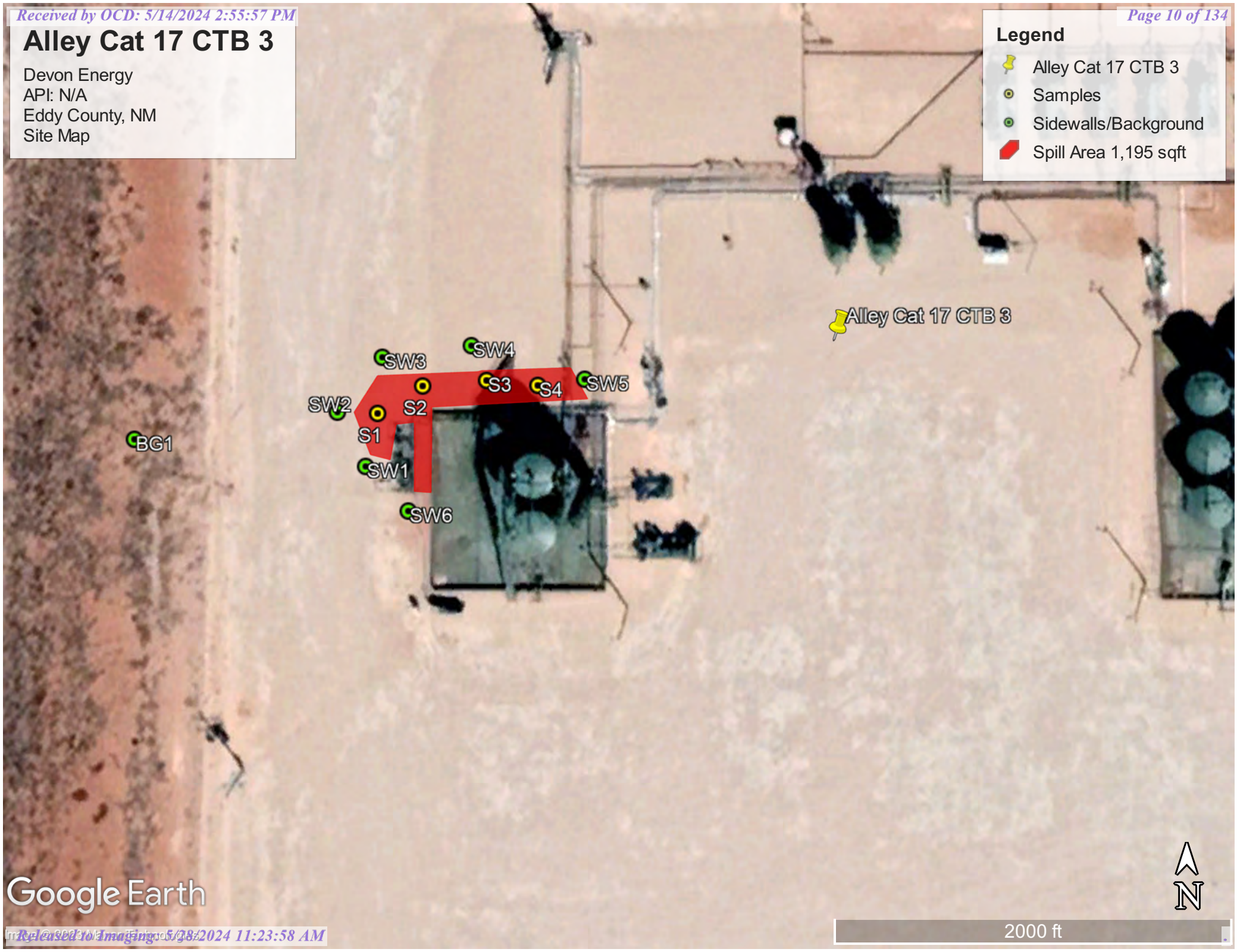
Devon Energy
API: N/A
Eddy County, NM
Topographic Map




Alley Cat 17 CTB 3
Devon Energy
API: N/A
Eddy County, NM
Karst Map
Legend
Alley Cat 17 CTB 3
High Karst
Low Karst
Medium Karst
176
176
128
128
Alley Cat 17 CTB 3
N
10 mi
Google Earth

Alley Cat 17 CTB 3

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

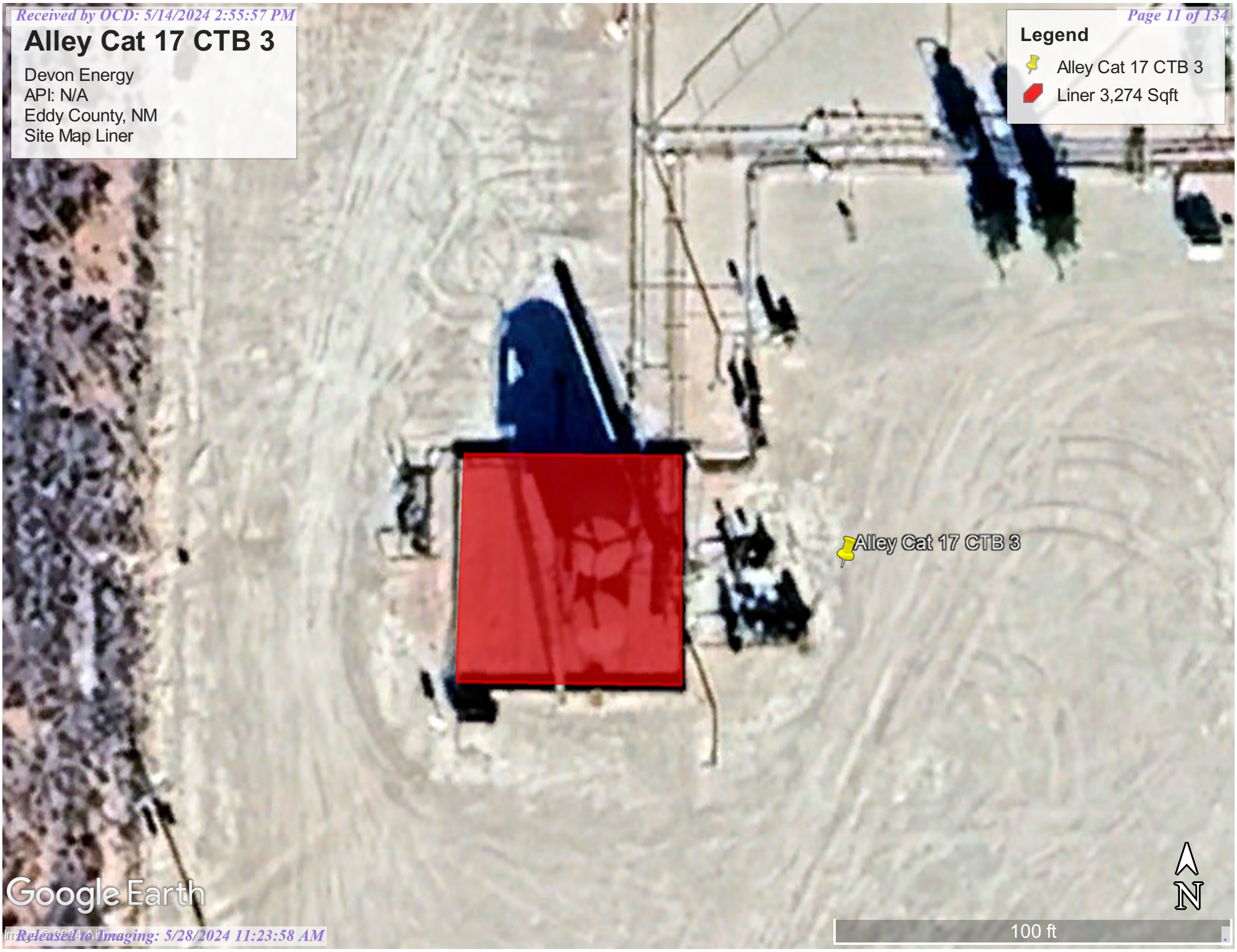


Alley Cat 17 CTB 3

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

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

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04712 POD2		CUB	LE	4	4	4	17	23S	32E	623332	3574331	1179	55		
C 03851 POD1		CUB	LE	3	3	4	20	23S	32E	622880	3572660	2720	1392	713	679
C 04704 POD1		CUB	ED	3	2	2	13	23S	31E	619854	3575363	2935			
C 02216		CUB	LE	2	2	4	21	23S	32E	625035	3573261*	3086	585	400	185
C 04712 POD3		CUB	ED	4	1	2	24	23S	31E	619651	3573877	3479	55		
C 02349		CUB	ED		2	3	03	23S	32E	625678	3578004*	3902	525		
C 03529 POD1		C	LE	2	4	3	29	23S	32E	622651	3571212	4168	550		
C 04726 POD1		CUB	ED	1	1	4	01	23S	31E	619538	3578821	4735			

Average Depth to Water: **556 feet**
Minimum Depth: **400 feet**
Maximum Depth: **713 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 622789.82 **Northing (Y):** 3575378.9 **Radius:** 5000

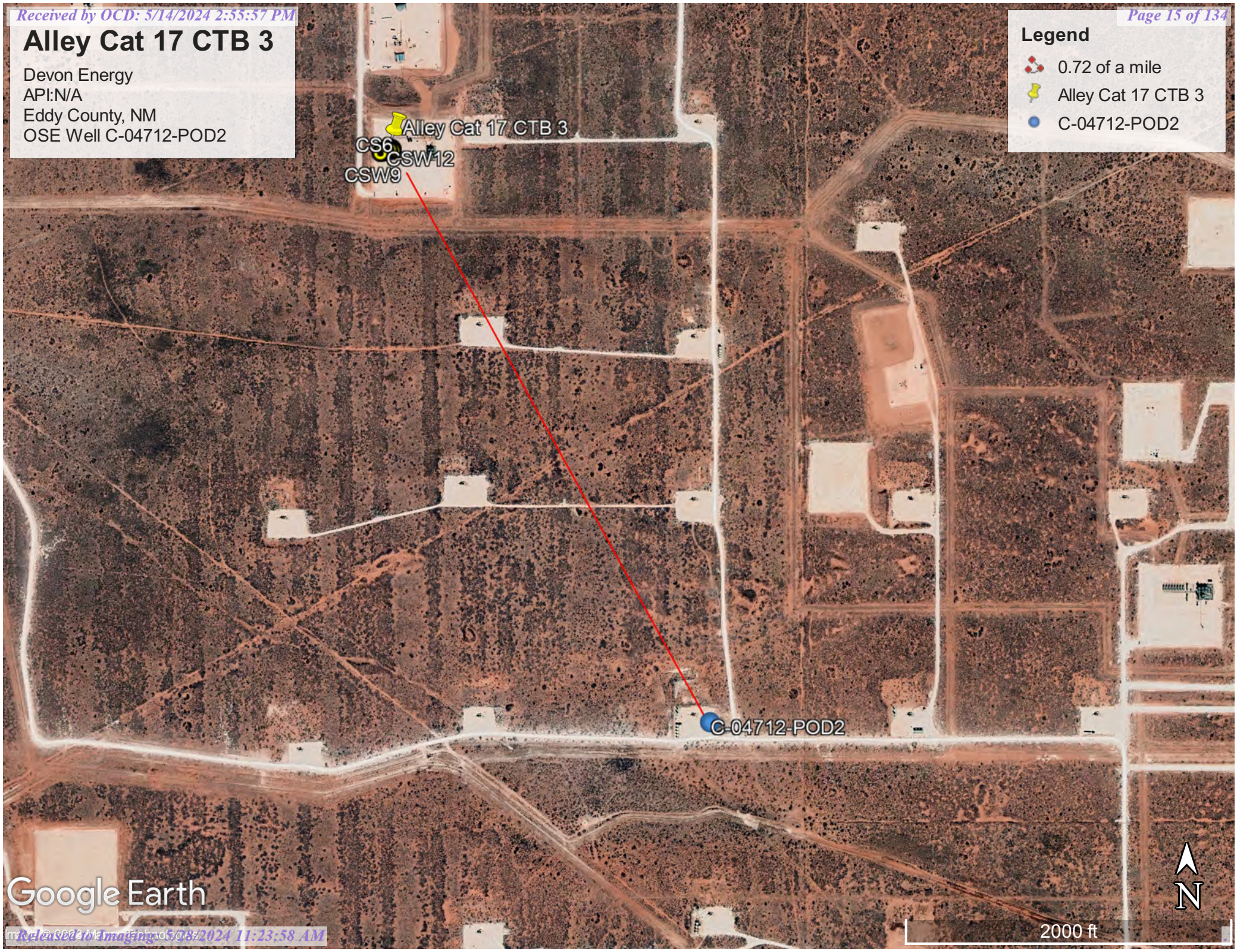
***UTM location was derived from PLSS - see Help**

11/9/23 10:23 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Alley Cat 17 CTB 3

Devon Energy
API:N/A
Eddy County, NM
OSE Well C-04712-POD2



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321609103445901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

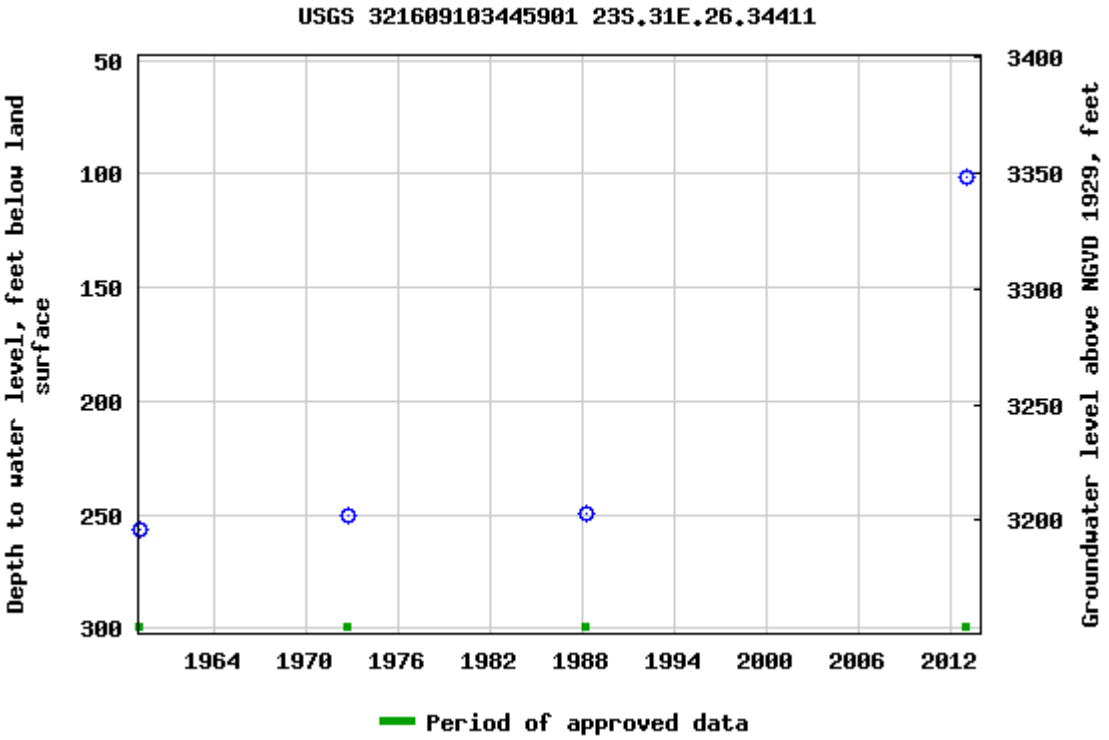
USGS 321609103445901 23S.31E.26.34411

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83
Land-surface elevation 3,451.00 feet above NGVD29
The depth of the well is 365 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

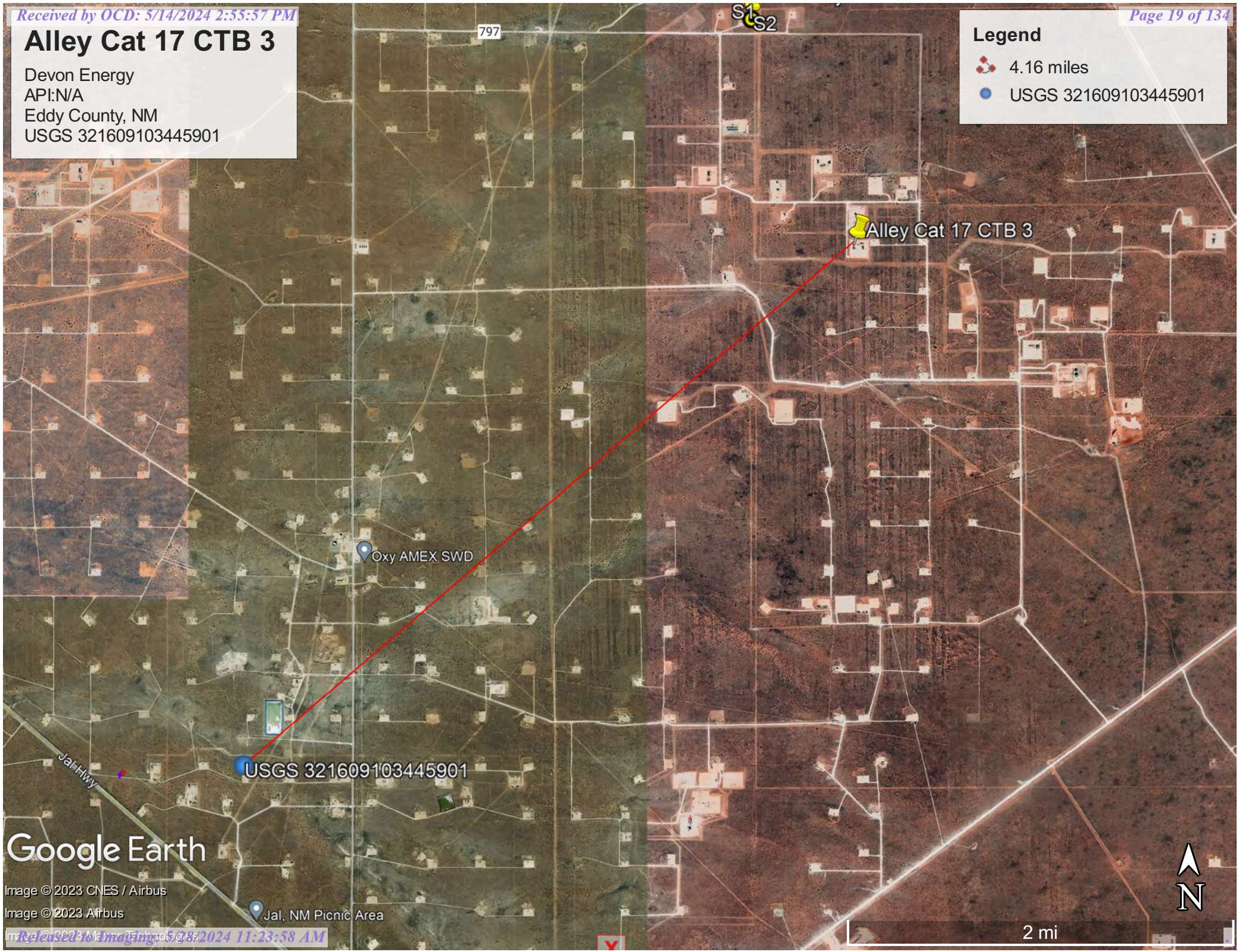
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-12-14 17:38:03 EST
0.68 0.59 nadww01

Alley Cat 17 CTB 3

Devon Energy
API:N/A
Eddy County, NM
USGS 321609103445901

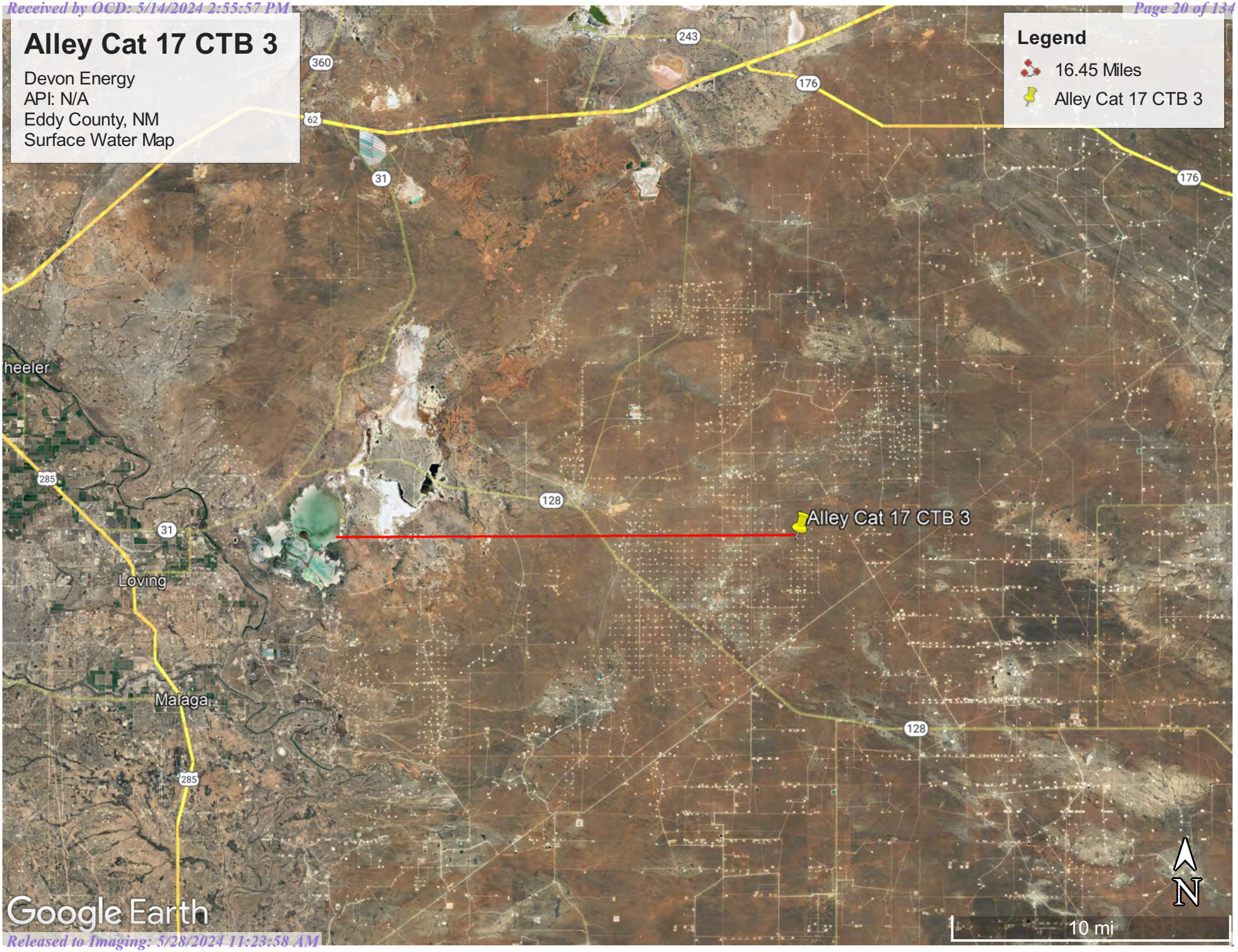


Legend

- 4.16 miles
- USGS 321609103445901

Alley Cat 17 CTB 3

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



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

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

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

National Flood Hazard Layer FIRMette

FEMA

103°42'3"W 32°18'46"N

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

1:6,000

103°41'26"W 32°18'15"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone*
- 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*

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 12/15/2023 at 1:20 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

December 14, 2023

Wetlands

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

48-Hour Notification

lynsey@pimaoil.com

From: Gio PimaOil <gio@pimaoil.com>
Sent: Thursday, May 9, 2024 4:27 PM
To: Lynsey Pima Oil
Subject: Fwd: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294188

---------- Forwarded message ---------
From: **Woodall, Dale** <Dale.Woodall@dvn.com>
Date: Wed, Dec 13, 2023 at 12:01 PM
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294188
To: Lynsey Pima Oil <lynsey@pimaoil.com>, Gio PimaOil <gio@pimaoil.com>

FYI

Dale Woodall

Environmental Professional

Hobbs, NM

Office: 575-748-1838

Mobile: 405-318-4697

Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, December 13, 2023 12:00 PM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294188

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2327225644.

The sampling event is expected to take place:

When: 12/15/2023 @ 12:00
Where: B-17-23S-32E 251 FNL 821 FWL (32.308509,-103.695694)

Additional Information: Collect confirmations samples bottom and sidewalls, will be conducted by Andrew Franco 806-200-0054

6 Bottoms and 12 Sidewalls.

Additional Instructions: J-17-23S-32E, (32.308509, -103.695694 NAD83) From the intersection of County Road 797 and County Road 29, proceed 1.4 miles on County Road 29 to the lease road on the left (east). Turn left (east) onto the lease road and follow 3.4 miles to the "T". Turn left (north) at the T, and follow 0.7 miles to the "T". Turn left (west) at the T and follow 0.3 miles to the location

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

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

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

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

--
Gio Gomez
Project Manager
cell-806-782-1151
Office- 575-964-7740

lynsey@pimaoil.com

From: Gio PimaOil <gio@pimaoil.com>
Sent: Thursday, May 9, 2024 4:26 PM
To: Lynsey Pima Oil
Subject: Fwd: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294179

---------- Forwarded message ---------
From: **Gio PimaOil** <gio@pimaoil.com>
Date: Wed, Dec 13, 2023 at 12:49 PM
Subject: Re: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294179
To: Woodall, Dale <Dale.Woodall@dvn.com>
Cc: Lynsey Pima Oil <lynsey@pimaoil.com>

thank you sir

On Wed, Dec 13, 2023 at 12:01 PM Woodall, Dale <Dale.Woodall@dvn.com> wrote:

> FYI
>
> Dale Woodall
>
> ***Environmental Professional***
>
> ***Hobbs, NM***
>
> *Office: 575-748-1838*
>
> *Mobile: 405-318-4697*
>
> *Dale.Woodall@dvn.com*
>
> **From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>
> **Sent:** Wednesday, December 13, 2023 11:57 AM
> **To:** Woodall, Dale <Dale.Woodall@dvn.com>
> **Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 294179

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

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2327225644.

The liner inspection is expected to take place:

When: 12/15/2023 @ 12:00
Where: B-17-23S-32E 251 FNL 821 FWL (32.308509,-103.695694)

Additional Information: visually inspected for any pinholes or punctures, will be conducted by Andrew Franco 806-200-0054

Additional Instructions: J-17-23S-32E, (32.308509, -103.695694 NAD83) From the intersection of County Road 797 and County Road 29, proceed 1.4 miles on County Road 29 to the lease road on the left (east). Turn left (east) onto the lease road and follow 3.4 miles to the "T". Turn left (north) at the T, and follow 0.7 miles to the "T". Turn left (west) at the T and follow 0.3 miles to the location

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

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

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

--

Gio Gomez
Project Manager
cell-806-782-1151

Office- 575-964-7740
Pima Environmental Services, LLC.

--

Gio Gomez
Project Manager
cell-806-782-1151
Office- 575-964-7740
Pima Environmental Services, LLC.

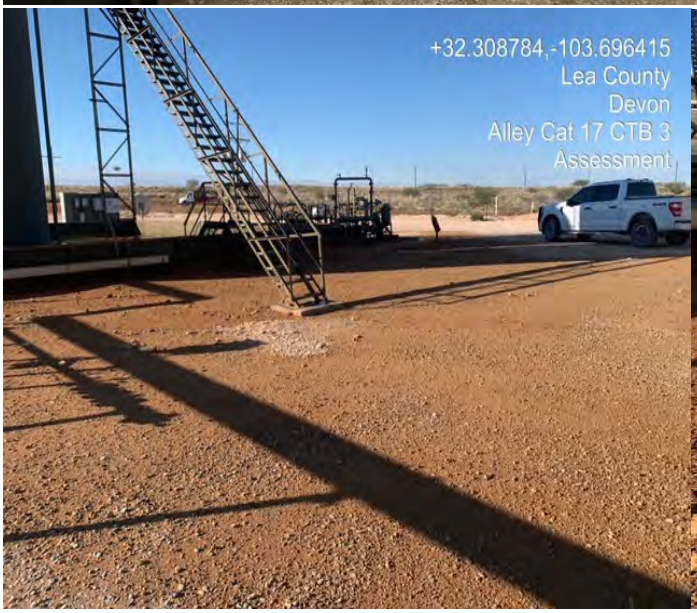
Pima Environmental Services

Appendix D

Liner Inspection Form

Photographic Documentation

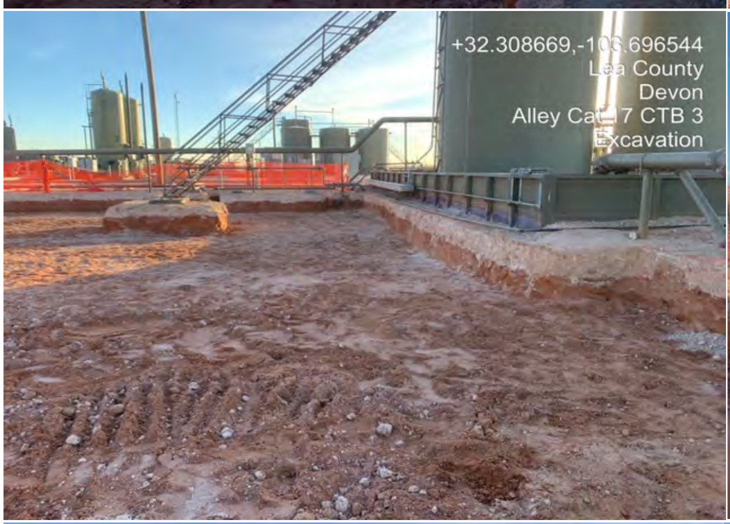
Site Assessment and Remediation



Excavation


+32.308696,-103.696359
Lea County
Devon
Alley Car 17 CTB 3
Excavation

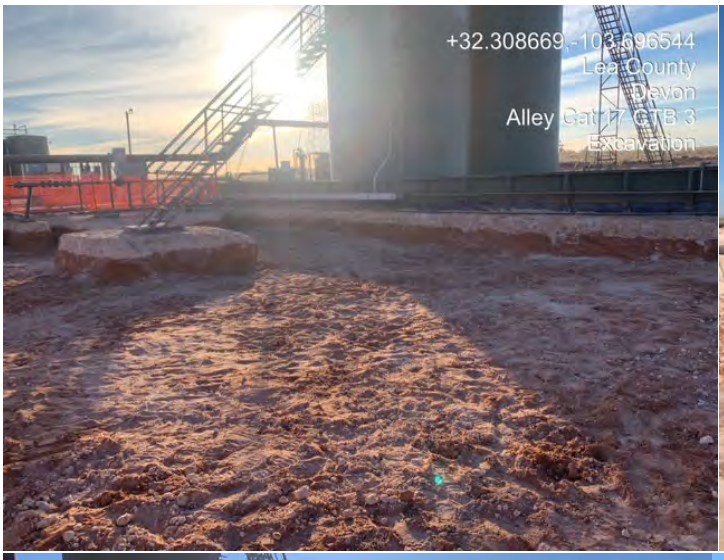

+32.308575,-103.69660
Lea County
Devon
Alley Cat 17 CTB 3
Excavation


+32.308669,-103.696544
Lea County
Devon
Alley Cat 17 CTB 3
Excavation


+32.308669,-103.696544
Lea County
Devon
Alley Cat 17 CTB 3
Excavation


+32.308669,-103.696544
Lea County
Devon
Alley Cat 17 CTB 3
Excavation


+32.308669,-103.696544
Lea County
Devon
Alley Cat 17 CTB 3
Excavation


+32.308669,-103.696544
Lea County
Devon
Alley Car 17 CTB 3
Excavation


+32.308645,-103.696579
Lea County
Devon
Alley Car 17 CTB 3
Excavation


+32.308742,-103.696516
Lea County
Devon
Alley Car 17 CTB 3
Excavation


+32.308707,-103.696416
Lea County
Devon
Alley Car 17 CTB 3
Excavation


+32.308848,-103.696531
Lea County
Devon
Alley Car 17 CTB 3
Excavation


+32.308696,-103.696359
Lea County
Devon
Alley Car 17 CTB 3
Excavation

Post Excavation

SITE PHOTOGRAPHS
DEVON ENERGY
ALLEY CAT 17 CTB 3

Liner Inspection


+32.308484,-103.696533
Lea County
Devon
Alley cat 17 CTB 3
Liner inspection


+32.308614,-103.696471
Lea County
Devon
Alley cat 17 CTB 3
Liner inspection


+32.308667,-103.696437
Lea County
Devon
Alley cat 17 CTB 3
Liner inspection


+32.308675,-103.696401
Lea County
Devon
Alley cat 17 CTB 3
Liner inspection


+32.808648,-103.696331
Lea County
Devon
Alley cat 17 CTB 3
Liner inspection

Pima Environmental Services

Appendix E

Laboratory Reports

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:	E310305
Job Number:	01058-0007
Received:	11/1/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/7/23

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: 11/7/23

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 reguarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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Laboratory Technical Representative
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Cell: 505-320-4759
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Michelle Golzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

S1 - 1'

E310305-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	**401**	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*192 %*	*50-200*	*11/02/23*	*11/02/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S1 - 2'

E310305-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	**0.0375**	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	**0.128**	0.0500	1	11/01/23	11/03/23	
Total Xylenes	**0.165**	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2344077
Diesel Range Organics (C10-C28)	**268**	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	**93.2**	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S1 - 3'

E310305-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*82.5 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S1 - 4'

E310305-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*72.7 %*	*50-200*	*11/02/23*	*11/06/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S2 - 1'

E310305-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*120 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	**451**	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*120 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*190 %*	*50-200*	*11/02/23*	*11/02/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S2 - 2'

E310305-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	**0.0317**	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	**0.123**	0.0500	1	11/01/23	11/03/23	
Total Xylenes	**0.155**	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2344077
Diesel Range Organics (C10-C28)	**68.8**	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S2 - 3'

E310305-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	**0.0783**	0.0500	1	11/01/23	11/03/23	
Total Xylenes	**0.0783**	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2344077
Diesel Range Organics (C10-C28)	**230**	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	**109**	50.0	1	11/02/23	11/02/23	
Surrogate: n-Nonane		*77.9 %*	*50-200*	*11/02/23*	*11/02/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S2 - 4'

E310305-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*78.9 %*	*50-200*	*11/02/23*	*11/02/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S3 - 1'

E310305-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*121 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	**279**	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*149 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S3 - 2'

E310305-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S3 - 3'

E310305-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S3 - 4'

E310305-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S4 - 1'

E310305-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	**311**	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*143 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S4 - 2'

E310305-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*83.9 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S4 - 3'

E310305-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*70.9 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

S4 - 4'

E310305-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*84.5 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 1

E310305-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*85.1 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 2

E310305-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*85.3 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 3

E310305-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 4

E310305-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344041
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*11/01/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*85.1 %*	*50-200*	*11/02/23*	*11/03/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 5

E310305-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

SW 6

E310305-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/7/2023 3:57:52PM

BG 1

E310305-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2344041-BLK1)									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*			
LCS (2344041-BS2)									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*			
Matrix Spike (2344041-MS2)				**Source: E310305-07**					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*			
Matrix Spike Dup (2344041-MSD2)				**Source: E310305-07**					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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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:**
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**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 - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: n-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: n-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: n-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: n-Nonane	*43.5*		*50.0*		*86.9*	*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	11/7/2023 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 (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: Alley Cat 17 CTB 3	Attention: Devon	Lab WO# E310305	Job Number 21056-0007
Project Manager: Tom Bynum	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA
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 # 361-1		
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
11:31	10/30	S		S1-1'	1							X		
11:36	"	"		S1-2'	2							"		
11:45	"	"		S1-3'	3							"		
11:52	"	"		S1-4'	4							"		
11:59	"	"		S2-1'	5							"		
12:07	"	"		S2-2'	6							"		
12:10	"	"		S2-3'	7							"		
12:17	"	"		S2-4'	8							"		
12:21	"	"		S3-1'	9							"		
12:29	"	"		S3-2'	10							"		

State: NM X | CO | UT | AZ | TX

Analysis and Method: BGDOC NM, BGDOC TX

Additional Instructions: B#2123012

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
Karime Adame	10/31	12:35	Michelle Gaugh	10-31-23	1235
Michelle Gaugh	10-31-23	1545	[illegible]	10.31.23	1730
[illegible]	10.31.23	2400	Tracy Ross	11/1/23	8:30

Lab Use Only — Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To
Project: Alley Cat 17 CTB 3	Attention: Devon
Project Manager: Tom Bynum	Address:
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 # 361-1
Report due by:	

Lab Use Only: Lab WO# E310305 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
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:

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
Karime Adame	10/31	12:35	Michelle Gaytan	10.31.23	1235
Michelle Gaytan	10.31.23	1545	Isaac Rosso	10.31.23	1730
Isaac Rosso	10.31.23	2400		11/1/23	8:30

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

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

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

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

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Project Information | Chain of Custody | Page 3 of 3

Client: Pima Environmental Services	Bill To
Project: Alloy Cat 17 CTB 3	Attention: Devon
Project Manager: Tom Bynum	Address:
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 # 361-1
Report due by:	

Lab Use Only: Lab WO# E 310305 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
1:45	10/30	S		SW5	21	X	
1:51				SW6	22		
1:59				BG1	23		

Additional Instructions: B# 2123012

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
Karime Adame	10/31	1235	Michelle Cruz	103123	1235
Michelle Cruz	10-31-23	1545		10.31.23	1730
	10.31.23	2400		11/1/23	8:30

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

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

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

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

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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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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 reguarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

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

SW5

E311082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*11/13/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2346016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*11/13/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:17:52PM

SW6

E311082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*11/13/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2346016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*11/13/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:17:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/16/2023 3:17:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	**Reported:**
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.

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Alley Cat 17 CTB 3
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: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 361-1

Lab Use Only
Lab WO# E311082
Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1:30	11/8	S		SW5	1							X		
1:35	"	"		SW6	2							"		

Additional Instructions: Billing # 212330 12

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
Karine Hoare	11/9/23	2:15	Michelle Gaylor	11-9-23	1415
Michelle Gaylor	11-9-23	1730	[illegible]	11.9.23	1830
[illegible]	11.9.23	2400	[illegible]	11/10/23	9:00

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

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

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

envirotech

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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration 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 7
Work Order:	E312126
Job Number:	01058-0007
Received:	12/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/23

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: 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 reguarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

CS1 Bottom

E312126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		*83.8 %*	*50-200*	*12/19/23*	*12/19/23*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CS2 Bottom

E312126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

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E312126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

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E312126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

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E312126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

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E312126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW1

E312126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW2

E312126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW3

E312126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW4

E312126-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW5

E312126-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW6

E312126-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW7

E312126-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW8

E312126-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW9

E312126-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW10

E312126-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW11

E312126-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	Project Name:	Alley Cat 17 CTB 7	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

CSW12

E312126-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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*	
Nonhalogenated Organics by EPA 8015D - GRO	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*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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*	
Anions by EPA 300.0/9056A	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	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/20/2023 3:41:16PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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:**
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 - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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
Project: Alley Cat 17 CTB 7	Attention: Devon
Project Manager: Tom Bynum	Address:
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 # 361-1
Report due by:	

Lab Use Only: Lab WO# E312120 | Job Number 01068-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

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									

Bottoms

Additional Instructions: B# 212330l2

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
Karime Adame	12/18/23	2:30	Michelle Cruz	12-18-23	1430
Michelle Cruz	12-18-23	1700	Andrew Russo	12-19-23	1900
Andrew Russo	12-19-23	2400	[illegible]	12/19/23	730

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.

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To	Lab Use Only	TAT / EPA Program
Project: Alley Cat 17 CTB 7	Attention: Devon	Lab WO# E312120	Job Number 01058-0007
Project Manager: Tom Bynum	Address:	1D X	2D	3D	Standard
Address: 5614 N. Lovington Hwy.	City, State, Zip	CWA	SDWA
City, State, Zip Hobbs, NM, 88240	Phone:	RCRA
Phone: 580-748-1613	Email:	State: NM X	CO	UT	AZ	TX
Email: tom@pimaoil.com	Pima Project # 361-1
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
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: B# 212330/2

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
Karime Adame	12/18/23	2:30	[signature]	12/18/23	1430
[signature]	12-18-23	1700	[signature]	12-19-23	1900
[signature]	12-19-23	2400	[signature]	12/19/23	7:30

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

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

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

envirotech

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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

No of containers not listed on COC per client.

Client Instruction

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

Date

envirotech Inc.

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

QUESTIONS

Action 344001

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2327225644**
Incident Name	**NAPP2327225644 ALLEY CAT 17 CTB 3 @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure 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	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
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@dvn.com Date: 05/14/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	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
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/14/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I
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District II
811 S. First St., Artesia, NM 88210
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District III
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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/14/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 344001

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 344001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	5/28/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/28/2024