

Incident ID	NCS1904254723
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NCS1904254723
District RP	
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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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dm.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 8/3/2023

Incident ID	NCS1904254723
District RP	
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Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 8/3/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 11/02/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to 3rd party on 10/24/2023 via telephone (S. Orozco). Release resolved.



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

August 2, 2023

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

Re: Site Assessment, and Closure Report
Alley Cat 17 20 Federal Com 215H
API No. 30-025-45066
GPS: Latitude 32.3134709 Longitude -103.6913848
UL P, Section 08, T23S, R32E
Lea County, NM
NMOCD Ref. No. NCS1904254723

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 Produced Water release that occurred at the Alley Cat 17 20 Federal Com 215H (Alley Cat). The initial C-141 was submitted on February 11, 2019 (Appendix C). This incident was assigned Incident ID NCS1904254723 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Alley Cat is located approximately thirty-four (34) miles southwest of Eunice, NM. This spill site is in Unit P, Section 8, Township 23S, Range 32E, Latitude 32.3134709 Longitude -103.6913848 Lea County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 400 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 196 feet BGS. The closest waterway is a Salt Playa located approximately 14.37 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' Lack of GW Data	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.

Alley Cat 17 20 Federal Com 215H|Devon Energy

Release Information

NCS1904254723: On January 25, 2019, a lay flat hose was damaged causing it to fail and causing a fluid to be released. The released fluids were calculated to be approximately 75.37 barrels (bbls) of produced water. No fluids were recovered.

Site Assessment, and Soil Sampling Results

On July 11, 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.

7-11-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - ALLEY CAT 17 20 FEDERAL COM #215H								
Sample Date: 7/11/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	0-6"	ND	ND	ND	ND	ND	0	ND
SW 2	0-6"	ND	ND	ND	ND	ND	0	ND
SW 3	0-6"	ND	ND	ND	ND	ND	0	ND
SW 4	0-6"	ND	ND	ND	ND	ND	0	ND
SW 5	0-6"	ND	ND	ND	ND	ND	0	ND
SW 6	0-6"	ND	ND	ND	ND	ND	0	ND
SW 7	0-6"	ND	ND	ND	ND	ND	0	146
SW 8	0-6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NCS1904254723, 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

Project Manager

Pima Environmental Services, LLC

Alley Cat 17 20 Federal Com 215H|Devon Energy

Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

Alley Cat 17 20 Federal Com #215H

Devon Energy
API: 30-025-45066
Lea County, NM
Location Map

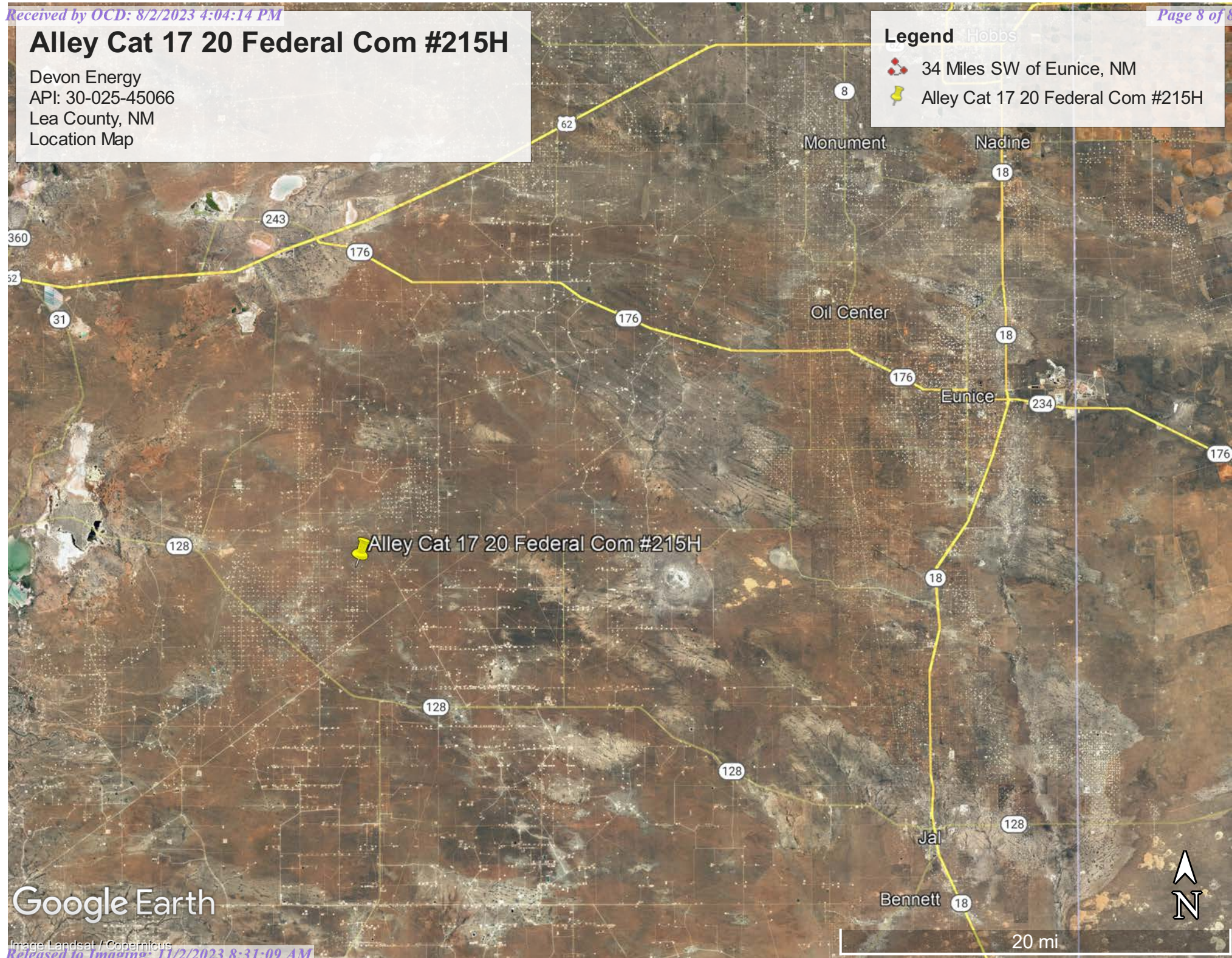
Legend



34 Miles SW of Eunice, NM



Alley Cat 17 20 Federal Com #215H




Google Earth

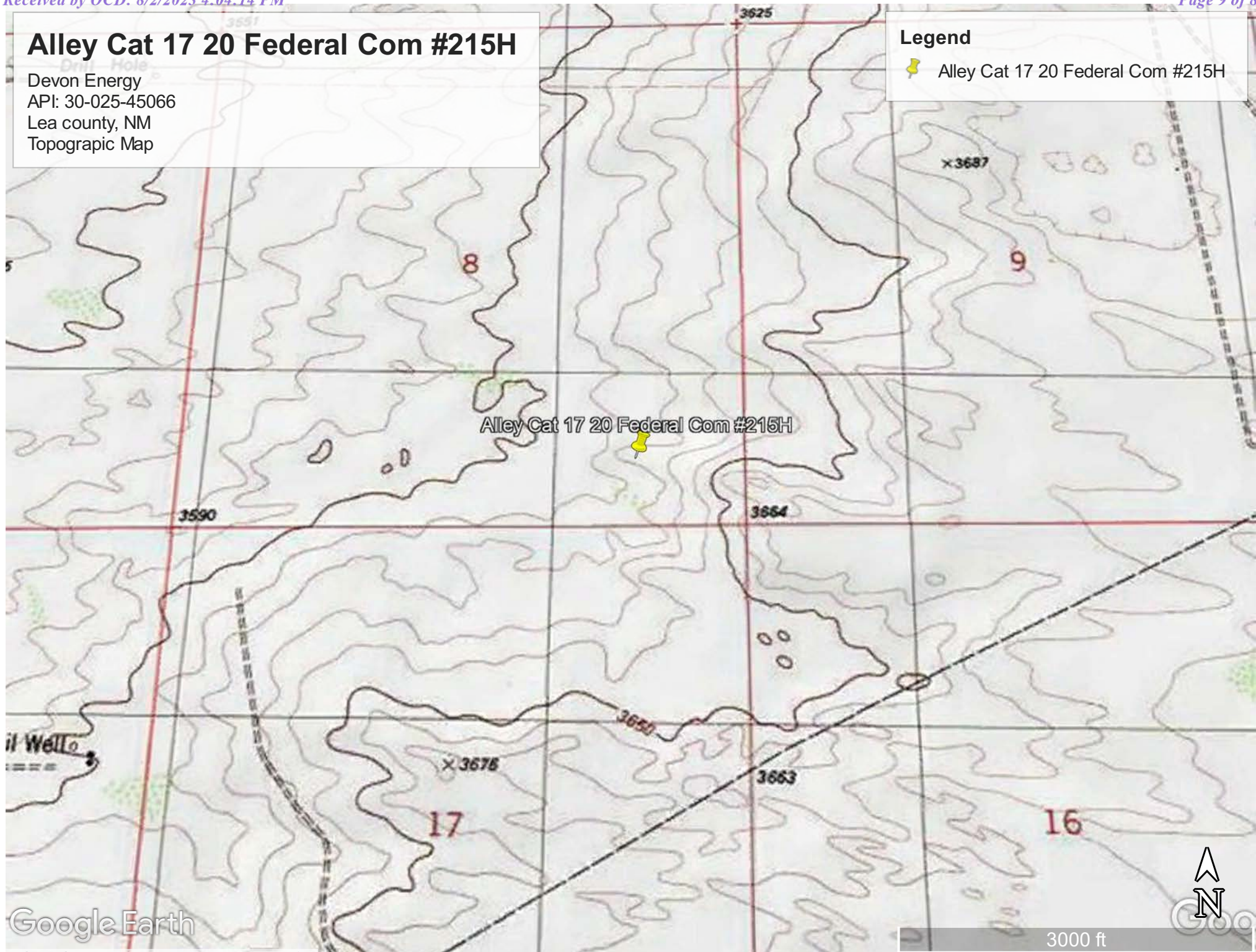
Image Landsat / Copernicus

Alley Cat 17 20 Federal Com #215H

Devon Energy
API: 30-025-45066
Lea county, NM
Topographic Map

Legend


 Alley Cat 17 20 Federal Com #215H



Alley Cat 17 20 Federal Com #215H

Devon Energy
API: 30-025-45066
Lea county, NM
Karst Map

Legend

 Alley Cat 17 20 Federal Com #215H

Alley Cat 17 20 Federal Com #215H



Google Earth






7 mi

Alley Cat 17 20 Fed Com 215

Devon Energy
API:30-025-45066
Lea County, NM
Site Map

Legend

-  Samples
-  Sidewalls
-  Spill Area

Alley Cat 17 20 Federal Com 215H

SW8
S1 SW7
SW1
S4
S2
SW2
S6
S5
SW3
S3
SW4
SW5
SW6



200 ft

Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04712 POD2		CUB	LE	4	4	4	17	23S	32E	623332	3574331	1608	55		
C 02349		CUB	ED		2	3	03	23S	32E	625678	3578004*	3237	525		
C 02216		CUB	LE	2	2	4	21	23S	32E	625035	3573261*	3248	585	400	185
C 03851 POD1		CUB	LE	3	3	4	20	23S	32E	622880	3572660	3288	1392	713	679
C 04704 POD1		CUB	ED	3	2	2	13	23S	31E	619854	3575363	3382			
C 04712 POD3		CUB	ED	4	1	2	24	23S	31E	619651	3573877	4092	55		
C 04726 POD1		CUB	ED	1	1	4	01	23S	31E	619538	3578821	4654			
C 03529 POD1		C	LE	2	4	3	29	23S	32E	622651	3571212	4751	550		
C 04663 POD1		CUB	LE	3	1	2	31	22S	32E	621181	3580341	4843	110		

Average Depth to Water: **556 feet**

Minimum Depth: **400 feet**

Maximum Depth: **713 feet**

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 623188.81

Northing (Y): 3575933.93

Radius: 5000

*UTM location was derived from PLSS - see Help

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

7/12/23 8:55 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321950103400601

Minimum number of levels = 1

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

USGS 321950103400601 23S.32E.03.31110

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°19'50", Longitude 103°40'06" NAD27

Land-surface elevation 3,668 feet above NAVD88

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

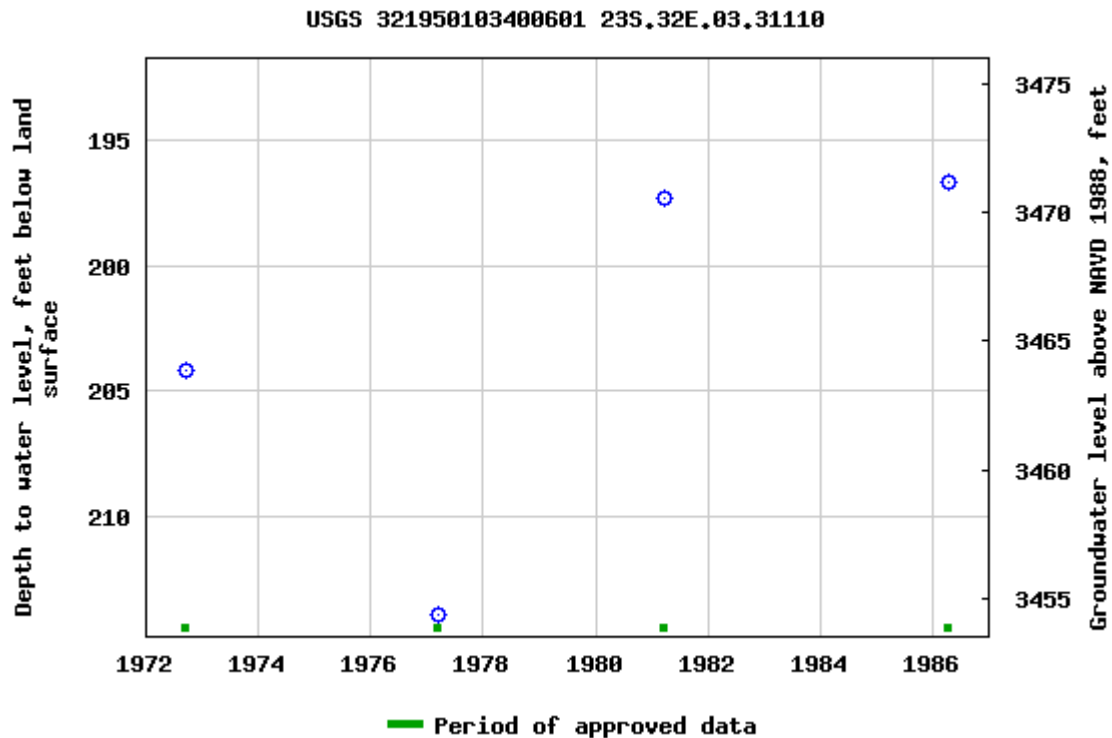
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

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Title: Groundwater for USA: Water Levels

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



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

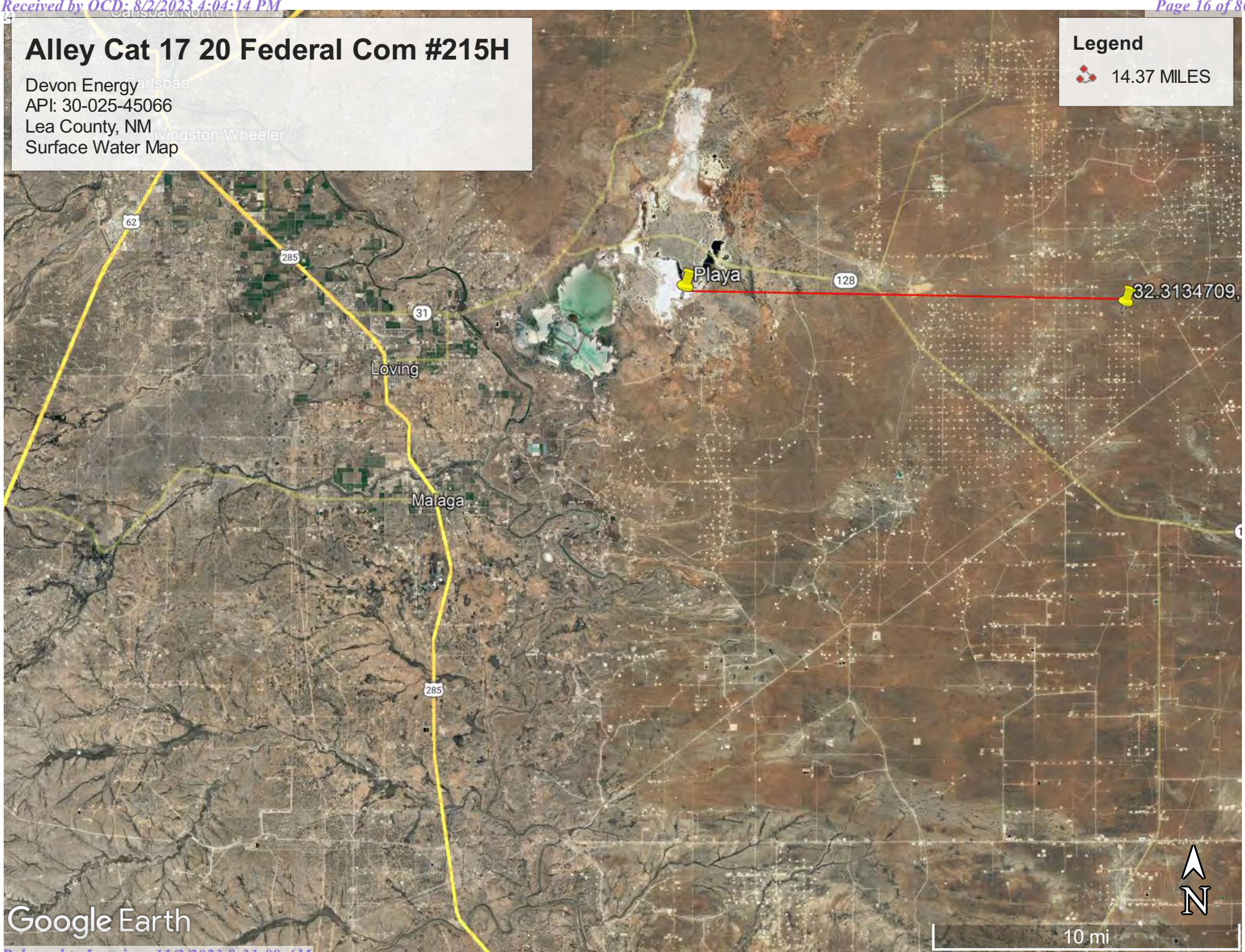
Page Last Modified: 2023-07-12 10:52:52 EDT

0.58 0.49 nadww02

Alley Cat 17 20 Federal Com #215H

Devon Energy
API: 30-025-45066
Lea County, NM
Surface Water Map

Legend
14.37 MILES



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Lea County, New Mexico

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

Map Unit Setting

National map unit symbol: dmqb

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Maljamar and similar soils: 46 percent

Palomas and similar soils: 44 percent

Minor components: 10 percent

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

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam

Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very low

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

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

Sodium adsorption ratio, maximum: 2.0

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

Interpretive groups

Land capability classification (irrigated): 7e

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

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - 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: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 5 percent
Ecological site: R042XC022NM - Sandhills
Hydric soil rating: No

Wink

Percent of map unit: 5 percent
Ecological site: R042XC003NM - Loamy Sand

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

Hydric soil rating: No

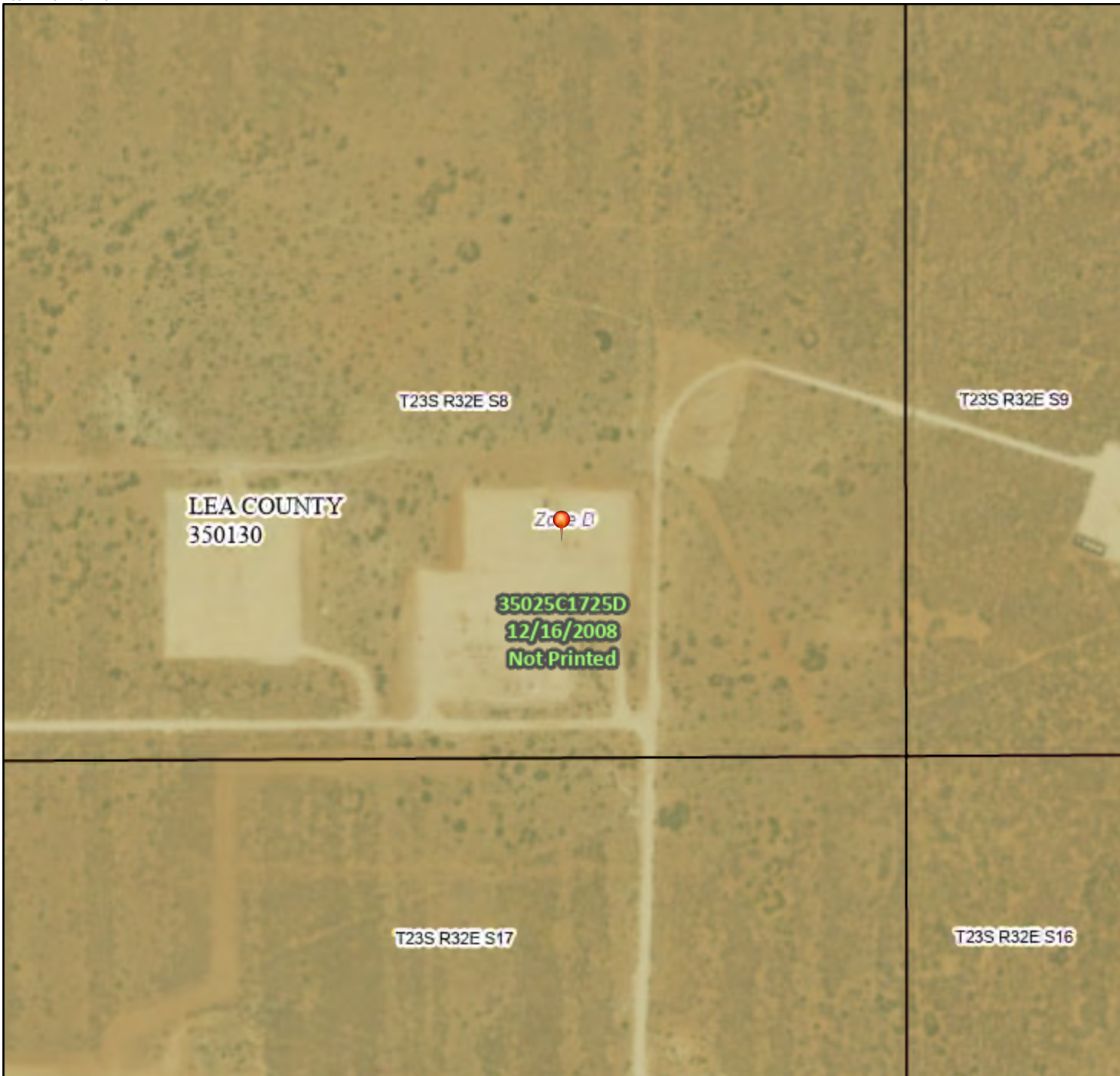
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette



103°41'48"W 32°19'4"N



Legend

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

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

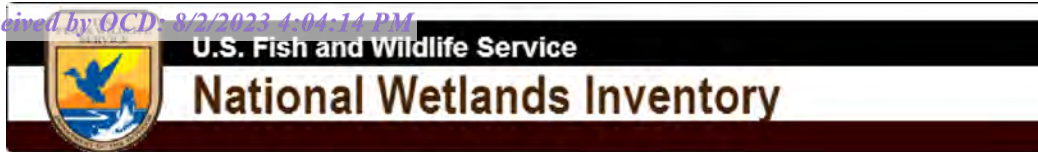


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/24/2022 at 4:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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








Wetlands Map




November 6, 2022

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

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

-  Lake
-  Other
-  Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

District I
1625 N. French Dr., Hobbs, NM 88240
District II
311 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nCS1904254723
District RP	1RP-5363
Facility ID	
Application ID	pAB1904435952

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD) nCS1904254723
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.3134709 Longitude -103.6913848
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Alley Cat 17 20 Federal Com #215H	Site Type Oil
Date Release Discovered 1/25/2019	API# (if applicable) 3002545066

Unit Letter	Section	Township	Range	County
P	08	23S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 75.37	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Layflat hose was damaged which caused it to fail. Spill calculation 65' x 78' x 1/2"


State of New Mexico
Oil Conservation Division

Incident ID	NCS1904254723
District RP	1RP-5363
Facility ID	
Application ID	pAB1904435952

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No **	If YES, for what reason(s) does the responsible party consider this a major release? This spill is considered a major release because it is over 25 barrels. ** **If yes, please answer questions in box below. AB
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? **	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Kendra DeHoyos</u> Signature: <u>Kendra DeHoyos</u> email: <u>kendra.dehoyos@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>2/11/2019</u> Telephone: <u>575-748-3371</u>
OCD Only Received by: <u>Cory</u>  Date: <u>2/11/19</u>	

Incident ID	NCS1904254/23
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NCS1904254723
District RP	
Facility ID	
Application ID	

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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dm.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NCS1904254723
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

Appendix D

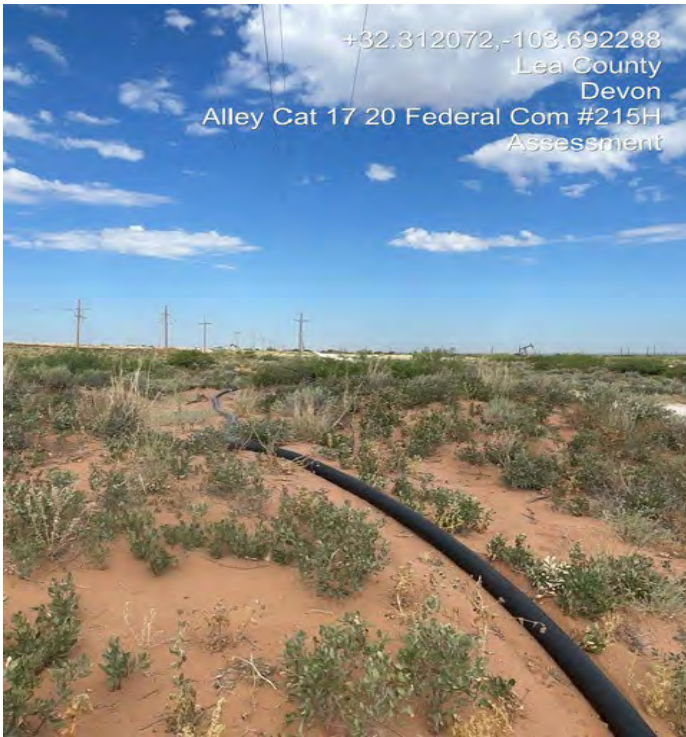
Photographic Documentation



SITE PHOTOGRAPHS
DEVON ENERGY
ALLEY CAT 17 20 FEDERAL COM #215H

Site Assessment







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 20 Federal Com
#215H

Work Order: E307046

Job Number: 01058-0007

Received: 7/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/19/23

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: 7/19/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Alley Cat 17 20 Federal Com #215H
Workorder: E307046
Date Received: 7/13/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/13/2023 8:15:00AM, under the Project Name: Alley Cat 17 20 Federal Com #215H.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 20 Federal Com #215H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/19/23 14:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E307046-01A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S1 - 3'	E307046-02A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S1 - 4'	E307046-03A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S2 - 1'	E307046-04A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S2 - 3'	E307046-05A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S2 - 4'	E307046-06A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S3 - 1'	E307046-07A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S3 - 3'	E307046-08A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S3 - 4'	E307046-09A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S4 - 1'	E307046-10A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S4 - 3'	E307046-11A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S4 - 4'	E307046-12A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S5 - 1'	E307046-13A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S5 - 3'	E307046-14A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S5 - 4'	E307046-15A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S6 - 1'	E307046-16A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S6 - 3'	E307046-17A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
S6 - 4'	E307046-18A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW1	E307046-19A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW2	E307046-20A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW3	E307046-21A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW4	E307046-22A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW5	E307046-23A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW6	E307046-24A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW7	E307046-25A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.
SW8	E307046-26A	Soil	07/11/23	07/13/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S1 - 1'

E307046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
Surrogate: 4-Bromochlorobenzene-PID	97.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.7 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2328064	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
Surrogate: n-Nonane	106 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2328057	
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S1 - 3'

E307046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S1 - 4'

E307046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S2 - 1'

E307046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S2 - 3'

E307046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S2 - 4'

E307046-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S3 - 1'

E307046-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.1 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S3 - 3'

E307046-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.2 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S3 - 4'

E307046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S4 - 1'

E307046-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2328064	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2328057	
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S4 - 3'

E307046-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.5 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S4 - 4'

E307046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S5 - 1'

E307046-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S5 - 3'

E307046-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S5 - 4'

E307046-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S6 - 1'

E307046-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Benzene	ND	0.0250	1	07/13/23	07/14/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/14/23	
Toluene	ND	0.0250	1	07/13/23	07/14/23	
o-Xylene	ND	0.0250	1	07/13/23	07/14/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/14/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2328064	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2328057	
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S6 - 3'

E307046-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/14/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/14/23	
Toluene	ND	0.0250	1	07/13/23	07/14/23	
o-Xylene	ND	0.0250	1	07/13/23	07/14/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/14/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

S6 - 4'

E307046-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/14/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/14/23	
Toluene	ND	0.0250	1	07/13/23	07/14/23	
o-Xylene	ND	0.0250	1	07/13/23	07/14/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/14/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW1

E307046-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/14/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/14/23	
Toluene	ND	0.0250	1	07/13/23	07/14/23	
o-Xylene	ND	0.0250	1	07/13/23	07/14/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/14/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW2

E307046-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Benzene	ND	0.0250	1	07/13/23	07/14/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/14/23	
Toluene	ND	0.0250	1	07/13/23	07/14/23	
o-Xylene	ND	0.0250	1	07/13/23	07/14/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/14/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		07/13/23	07/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328064
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328057
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW3

E307046-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.5 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328063
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328062
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW4

E307046-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328063
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328062
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW5

E307046-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328053	
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2328053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2328063	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	99.6 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2328062	
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW6

E307046-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328063
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	92.1 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328062
Chloride	ND	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW7

E307046-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.2 %	70-130		07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328063
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328062
Chloride	146	20.0	1	07/14/23	07/17/23	



Sample Data

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

Project Name: Alley Cat 17 20 Federal Com #215H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/19/2023 2:52:33PM

SW8

E307046-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Benzene	ND	0.0250	1	07/13/23	07/13/23	
Ethylbenzene	ND	0.0250	1	07/13/23	07/13/23	
Toluene	ND	0.0250	1	07/13/23	07/13/23	
o-Xylene	ND	0.0250	1	07/13/23	07/13/23	
p,m-Xylene	ND	0.0500	1	07/13/23	07/13/23	
Total Xylenes	ND	0.0250	1	07/13/23	07/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328053
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/23	07/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.6 %	70-130	07/13/23	07/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328063
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/23	07/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/23	07/17/23	
<i>Surrogate: n-Nonane</i>						
		93.2 %	50-200	07/14/23	07/17/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328062
Chloride	ND	20.0	1	07/14/23	07/17/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328052-BLK1)

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

LCS (2328052-BS1)

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.9	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.3	70-130			

Matrix Spike (2328052-MS1)

Source: E307046-07

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

Matrix Spike Dup (2328052-MSD1)

Source: E307046-07

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	5.15	0.0250	5.00	ND	103	54-133	0.528	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	0.536	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	0.376	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	0.414	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.525	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	0.489	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328053-BLK1)

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

LCS (2328053-BS1)

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

Matrix Spike (2328053-MS1)

Source: E307045-02

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	4.94	0.0250	5.00	ND	98.8	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	61-133			
Toluene	4.96	0.0250	5.00	ND	99.3	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2328053-MSD1)

Source: E307045-02

Prepared: 07/13/23 Analyzed: 07/13/23

Benzene	4.97	0.0250	5.00	ND	99.5	54-133	0.724	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133	0.585	20	
Toluene	5.00	0.0250	5.00	ND	99.9	61-130	0.617	20	
o-Xylene	5.00	0.0250	5.00	ND	100	63-131	0.629	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.645	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	0.640	20	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328052-BLK1) Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			

LCS (2328052-BS2) Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			

Matrix Spike (2328052-MS2) Source: E307046-07 Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		8.00		83.1	70-130			

Matrix Spike Dup (2328052-MSD2) Source: E307046-07 Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.1	70-130	4.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.77		8.00		84.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328053-BLK1) Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			

LCS (2328053-BS2) Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.2	70-130			

Matrix Spike (2328053-MS2) Source: E307045-02 Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		8.00		83.0	70-130			

Matrix Spike Dup (2328053-MSD2) Source: E307045-02 Prepared: 07/13/23 Analyzed: 07/13/23

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	8.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328063-BLK1)

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.1		50.0		94.1	50-200			

LCS (2328063-BS1)

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2328063-MS1)

Source: E307045-04

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	38-132			
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			

Matrix Spike Dup (2328063-MSD1)

Source: E307045-04

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	1.13	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328064-BLK1)

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS (2328064-BS1)

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	264	25.0	250		106	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2328064-MS1)

Source: E307046-16

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike Dup (2328064-MSD1)

Source: E307046-16

Prepared: 07/14/23 Analyzed: 07/17/23

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	0.102	20	
Surrogate: n-Nonane	54.7		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

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 (2328057-BLK1)					Prepared: 07/14/23 Analyzed: 07/17/23				
Chloride	ND	20.0							
LCS (2328057-BS1)					Prepared: 07/14/23 Analyzed: 07/17/23				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2328057-MS1)					Source: E307046-01		Prepared: 07/14/23 Analyzed: 07/17/23		
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2328057-MSD1)					Source: E307046-01		Prepared: 07/14/23 Analyzed: 07/17/23		
Chloride	256	20.0	250	ND	102	80-120	0.0367	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/19/2023 2:52:33PM

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 (2328062-BLK1)					Prepared: 07/14/23 Analyzed: 07/17/23				
Chloride	ND	20.0							
LCS (2328062-BS1)					Prepared: 07/14/23 Analyzed: 07/17/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2328062-MS1)					Source: E307045-01		Prepared: 07/14/23 Analyzed: 07/17/23		
Chloride	6750	400	250	6540	83.2	80-120			
Matrix Spike Dup (2328062-MSD1)					Source: E307045-01		Prepared: 07/14/23 Analyzed: 07/17/23		
Chloride	6600	400	250	6540	23.5	80-120	2.24	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Alley Cat 17 20 Federal Com #215H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/19/23 14:52

- 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

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 #2199					Bill To		Lab Use Only		TAT				EPA Program			
Project: Alley cat 1720 Federal.com					Attention: Devon		Lab Work: E 307044		Lab Number: D1058-0001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 1-190											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
8:00	7/11	S	1	S1-1	1							X		
8:05			2	S1-3'	2									
8:10			3	S1-4'	3									
8:15			4	S2-1	4									
8:20			5	S2-3'	5									
8:25			6	S2-4'	6									
8:30			7	S3-1'	7									
8:35			8	S3-3'	8									
8:40			9	S3-4'	9									
8:45			10	S4-1'	10									

Additional Instructions: W# 21142551

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

Relinquished by: (Signature) Karine Adams Date 7/12/23 Time 3:15 Received by: (Signature) Michelle Cuyala Date 7-12-23 Time 1515

Relinquished by: (Signature) Michelle Cuyala Date 7-12-23 Time 1715 Received by: (Signature) Andrew Messo Date 7-12-23 Time 1715

Relinquished by: (Signature) Andrew Messo Date 7-12-23 Time 2245 Received by: (Signature) Cathi Man Date 7/13/23 Time 8:15

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

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

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>Alley Cat 1720 Federal Cont#215H</u>					Attention: <u>Devon</u>					Lab WO# <u>E307046</u>					Job Number <u>1058-0007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method									RCRA					
Address: 5614 N. Lovington Hwy.					City, State, Zip																			
City, State, Zip: Hobbs, NM, 88240					Phone:														State					
Phone: 580-748-1613					Email:																			
Email: tom@pimaoil.com					Pima Project # <u>1-190</u>														NM		CO	UT	AZ	TX
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks									
8:50	7/11	S	11	S4-3'	11								X											
8:55			12	S4-4'	12																			
9:00			13	S5-1'	13																			
9:05			14	S5-3'	14																			
9:10			15	S5-4'	15																			
9:15			16	S6-1'	16																			
9:20			17	S6-3'	17																			
9:25			18	S6-4'	18																			
9:30			19	SW1	19																			
9:35			20	SW2	20																			
Additional Instructions: <u>wo# 21/42551</u>																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
Karime Adams		7/12/23		3:15		Michelle Coughlin		7-12-23		1515														
Michelle Coughlin		7-12-23		1715		Misha M82		7-12-23		1715														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA												
Misha M82		7-12-23		2245		Caitlin Tran		7/13/23		8:15														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.														

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>Alley Cat 1720 Federal com #215H</u>					Attention: <u>Devon</u>					Lab WO# <u>E 307046</u>					Job Number <u>01058-0007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method														
Address: 5614 N. Lovington Hwy.					City, State, Zip																			
City, State, Zip Hobbs, NM, 88240					Phone:																			
Phone: 580-748-1613					Email:																			
Email: tom@pimaoil.com					Pima Project # <u>1-190</u>																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX										
9:40	7/11	S	21	SW3	21								X											
9:45			22	SW4	22																			
9:50			23	SW5	23																			
9:55			24	SW6	24																			
10:00			25	SW7	25																			
10:05			26	SW8	26																			
Additional Instructions: <u>WO# 21142551</u>																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Sampled by:															Lab Use Only									
Relinquished by: (Signature) <u>Karime Adame</u>			Date <u>7/12/23</u>		Time <u>3:15</u>		Received by: (Signature) <u>Michelle Cough</u>			Date <u>7-12-23</u>		Time <u>1515</u>		Received on ice: <u>(Y)</u> N										
Relinquished by: (Signature) <u>Michelle Cough</u>			Date <u>7-12-23</u>		Time <u>1715</u>		Received by: (Signature) <u>Andrew Messo</u>			Date <u>7-12-23</u>		Time <u>1715</u>		T1 T2 T3										
Relinquished by: (Signature) <u>Andrew Messo</u>			Date <u>7-12-23</u>		Time <u>2245</u>		Received by: (Signature) <u>Carla Mar</u>			Date <u>7/13/23</u>		Time <u>8:15</u>		AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

Envirotech Analytical Laboratory

Printed: 7/13/2023 9:18:37AM

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:	07/13/23 08:15	Work Order ID:	E307046
Phone:	(575) 631-6977	Date Logged In:	07/13/23 08:54	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/19/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Incorrect # of Containers listed on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 3

Client: <u>Pima Environmental Services</u> #12199					Bill To		Lab Use Only		TAT				EPA Program					
Project: <u>Alley cat 1720 Federal.com</u>					Attention: <u>Devon</u>		Lab Work # <u>E 307046</u>		Lab Method # <u>D058-0001</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Tom Bynum</u>					Address:													
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA			
City, State, Zip: <u>Hobbs, NM, 88240</u>					Phone:													
Phone: <u>580-748-1613</u>					Email:													
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-190</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State				
														NM	CO	UT	AZ	TX
8:00	7/11	S	1+	S1-1'	1							X						
8:05			2	S1-3'	2													
8:10			3	S1-4'	3													
8:15			4	S2-1'	4													
8:20			5	S2-3'	5													
8:25			6	S2-4'	6													
8:30			7	S3-1'	7													
8:35			8	S3-3'	8													
8:40			9	S3-4'	9													
8:45			10	S4-1'	10													
Additional Instructions: <u>WO# 21142551</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karine Adams</u>		<u>7/12/23</u>	<u>3:15</u>	<u>Michelle Cuyler</u>		<u>7-12-23</u>	<u>1515</u>	Received on ice: <u>(Y) N</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1										
<u>Michelle Cuyler</u>		<u>7-12-23</u>	<u>1715</u>	<u>Adrian Muzzo</u>		<u>7-12-23</u>	<u>1715</u>	T2										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T3										
<u>Adrian Muzzo</u>		<u>7-12-23</u>	<u>2245</u>	<u>Caitlin Man</u>		<u>7/13/23</u>	<u>8:15</u>	AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		


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Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Alley Cat #20 Federal Com#215H</u>					Attention: <u>Deyon</u>		Lab WO# <u>E3070410</u>		Job Number <u>21058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>1-190</u>											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	7/11	S	1H	S4-3'	11							X		
8:55			12	S4-4'	12									
9:00			13	S5-1'	13									
9:05			14	S5-3'	14									
9:10			15	S5-4'	15									
9:15			16	S6-1'	16									
9:20			17	S6-3'	17									
9:25			18	S6-4'	18									
9:30			19	SW1	19									
9:35			20	SW2	20									

Additional Instructions: WO# 21/42551

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

Sampled by: Michelle Gough

Relinquished by: (Signature) Yarime Adams Date 7/12/23 Time 3:15

Received by: (Signature) Michelle Gough Date 7-12-23 Time 1515

Relinquished by: (Signature) Michelle Gough Date 7-12-23 Time 1715

Received by: (Signature) Michelle Gough Date 7-12-23 Time 1715

Relinquished by: (Signature) Michelle Gough Date 7-12-23 Time 2245

Received by: (Signature) Michelle Gough Date 7/13/23 Time 8:15

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		Lab Use Only		TAT				EPA Program			
Project: <u>Alloy Cat 1720 Federal com #2150</u>					Attention: <u>Devon</u>		Lab WO# <u>E 307046</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>1-190</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks		
9:40	7/11	S	21	SW3	21							X				
9:45			22	SW4	22											
9:50			23	SW5	23											
9:55			24	SW6	24											
10:00			25	SW7	25											
10:05			26	SW8	26											
Additional Instructions: <u>WO# 21142551</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.					
Relinquished by: (Signature) <u>Karime Adame</u>											Received on ice: <u>(Y)</u> N					
Date <u>7/12/23</u> Time <u>3:15</u>											Date <u>7-12-23</u> Time <u>15:15</u>					
Relinquished by: (Signature) <u>Michelle Gault</u>											Date <u>7-12-23</u> Time <u>17:15</u>					
Date <u>7-12-23</u> Time <u>17:15</u>											T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature) <u>Andrew Messo</u>											Date <u>7-12-23</u> Time <u>22:45</u>					
Date <u>7-12-23</u> Time <u>22:45</u>											AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 247352

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 247352
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to 3rd party on 10/24/2023 via telephone (S. Orozco). Release resolved.	11/2/2023