



REMEDIATION CLOSURE REPORT

Incident ID NT01430850577

Thistle Unit #006

Facility ID fAPP2202125175

Prepared By:
Pima Environmental Services, LLC

Prepared For:
Devon Energy Production, LP

July 23, 2024
Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240

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



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

July 23, 2024

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

Re: Site Assessment, Remediation, and Closure Report
Thistle Unit #006
API No. N/A
GPS: Latitude 32.2557335 Longitude -103.5566711
UL - O, Section 34, T23S, R33E
Lea County, NM
NMOCD Ref. No. NTO1430850577

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Assessment, Remediation, and Closure Report for an illegal dumping of drilling mud that occurred at the Thistle Unit #006 (Thistle) The incident was assigned incident NTO1430850577 on November 10, 2014, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Thistle is located approximately twenty-three (23) miles Northwest of Jal, NM. This spill site is in Unit O, Section 34, Township 23S, Range 33E, Latitude 32.2557335 Longitude -103.5566711, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino-Cacique loamy fine sands association, 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 Thistle (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04595), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.48 of a mile away from the Thistle. Drilled on March 9, 2022. Conversely, as per the United States Geological Survey well water data (USGS321403300301), the nearest groundwater depth in this region is recorded at 65 feet BGS, situated approximately 3.57 of a mile away from the Thistle, with the last gauge conducted in 2006. (Appendix A)

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100' (C-04595)	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

Thistle Unit 6|Devon Energy

Release Information

NTO1430850577: On November 1, 2014, it was discovered illegal dumping from unknown party on Devon location. Material was determined to be a combination of drilling mud mixed with an unknown fluid. The unknown material was located 30 Ft to the Northwest of the wellhead.

Remediation Activities, Site Assessment, and Soil Sampling Results

On March 6 and May 2, 2024, Pima mobilized personnel to the site to collect soil samples from the area of unknown material. A hand auger was used to collect the samples from the affected area. The laboratory results of these sampling events are provided in the following data table. A site map is available in Figure 4

3-6-2024 & 5-2-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100)									
DEVON ENERGY Thistle Unit #6									
NM Approved Laboratory Results									
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	3/6/2024	1'	55.7	ND	360	29400	7770	37585.7	3370
		2'	ND	ND	ND	ND	ND	0	2890
		3'	0.813	ND	ND	789	253	1042.813	418
		4'	0.93	ND	ND	513	172	685.93	254
		5'	0.664	ND	ND	297	70.6	368.264	132
S2	3/6/2024	6'	ND	ND	ND	ND	ND	0	ND
		1'	ND	ND	ND	ND	ND	0	88.6
		2'	ND	ND	ND	ND	ND	0	87.7
		3'	ND	ND	ND	27.1	ND	27.1	25.2
		4'	ND	ND	ND	ND	ND	0	ND
S3	3/6/2024	5'	0.467	ND	ND	264	73.2	337.667	98.9
		6'	ND	ND	ND	ND	ND	0	ND
	5/2/2024	1'	53	ND	377	26800	7040	34270	3260
		2'	20.4	ND	178	2780	881	3859.4	3650
		3'	1.44	ND	28.6	793	239	1062.04	323
S4	3/6/2024	4'	0.955	ND	ND	561	182	743.955	247
		5'	0.391	ND	ND	243	68.6	311.991	91.9
		6'	ND	ND	ND	ND	ND	0	ND
	5/2/2024	1'	N	ND	ND	ND	ND	0	87.5
		2'	22.4	ND	226	6610	1880	8738.4	4120
SW1	3/6/2024	3'	ND	ND	ND	ND	ND	0	25
		4'	ND	ND	ND	ND	ND	0	ND
		5'	0.49	ND	ND	243	66	309.49	95.7
		6'	ND	ND	ND	ND	ND	0	21.5
		0-6'	ND	ND	ND	ND	ND	0	ND
SW2	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
SW3	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
SW4	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
SW5	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
SW6	3/6/2024	0-6'	0.0542	ND	ND	ND	ND	0.0542	ND
SW7	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
SW8	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND
BG1	3/6/2024	0-6'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On July 11, 2024, the Devon Construction Department mobilized personnel and equipment to initiate immediate remediation activities. They began excavating the area to a depth of 3 feet below ground surface (BGS). A total of 72 cubic yards of contaminated soil was hauled to an approved, lined disposal facility. The location is scheduled for reclamation, and the open excavation will not be backfilled until reclamation occurs.

On July 15, 2024, after sending a 48-hour notification (application ID: 363344, Appendix C), Pima returned to the site to collect 5-point confirmation samples from the excavation. The 5-point composite samples were taken from the exposed excavation sidewalls and bottom samples were collected at 3 feet deep. The results of this sampling event are provided in the following table, and a confirmation sample map can be found in Figure 5

7-15-24 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #6								
Date: 7-15-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS2	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS3	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS4	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS5	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS6	3' Bottom	ND	ND	ND	ND	ND	0	ND
CS7	2' Bottom	ND	ND	ND	ND	ND	0	ND
CS8	2' Bottom	ND	ND	ND	ND	ND	0	ND
CS9	2' Bottom	ND	ND	ND	ND	ND	0	ND
CS10	2' Bottom	ND	ND	ND	ND	ND	0	ND
CS11	2' Bottom	ND	ND	ND	ND	ND	0	ND
CS12	2' Bottom	ND	ND	ND	ND	ND	0	ND
CSW1	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW2	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW3	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW4	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW5	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW6	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW7	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW8	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW9	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW10	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW11	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW12	0-3' Comp	ND	ND	ND	ND	ND	0	ND
CSW13	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW14	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW15	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW16	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW17	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW18	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW19	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW20	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW21	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW22	0-2' Comp	ND	ND	ND	ND	ND	0	ND
CSW23	0-2' Comp	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

The unhighlighted confirmation samples pertain to Thistle Unit 6 Wellpad, Incident ID: NAPP2406623089

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to Northern Delaware Basin Landfill, an NMOCD approved disposal site. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NTO1430850577, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

5614 N Lovington Hwy
Hobbs, NM 88240
575-964-7740

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

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey, Geological Data, FEMA, and Wetlands Map
- Appendix C – 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map



Figure 4- Site Map

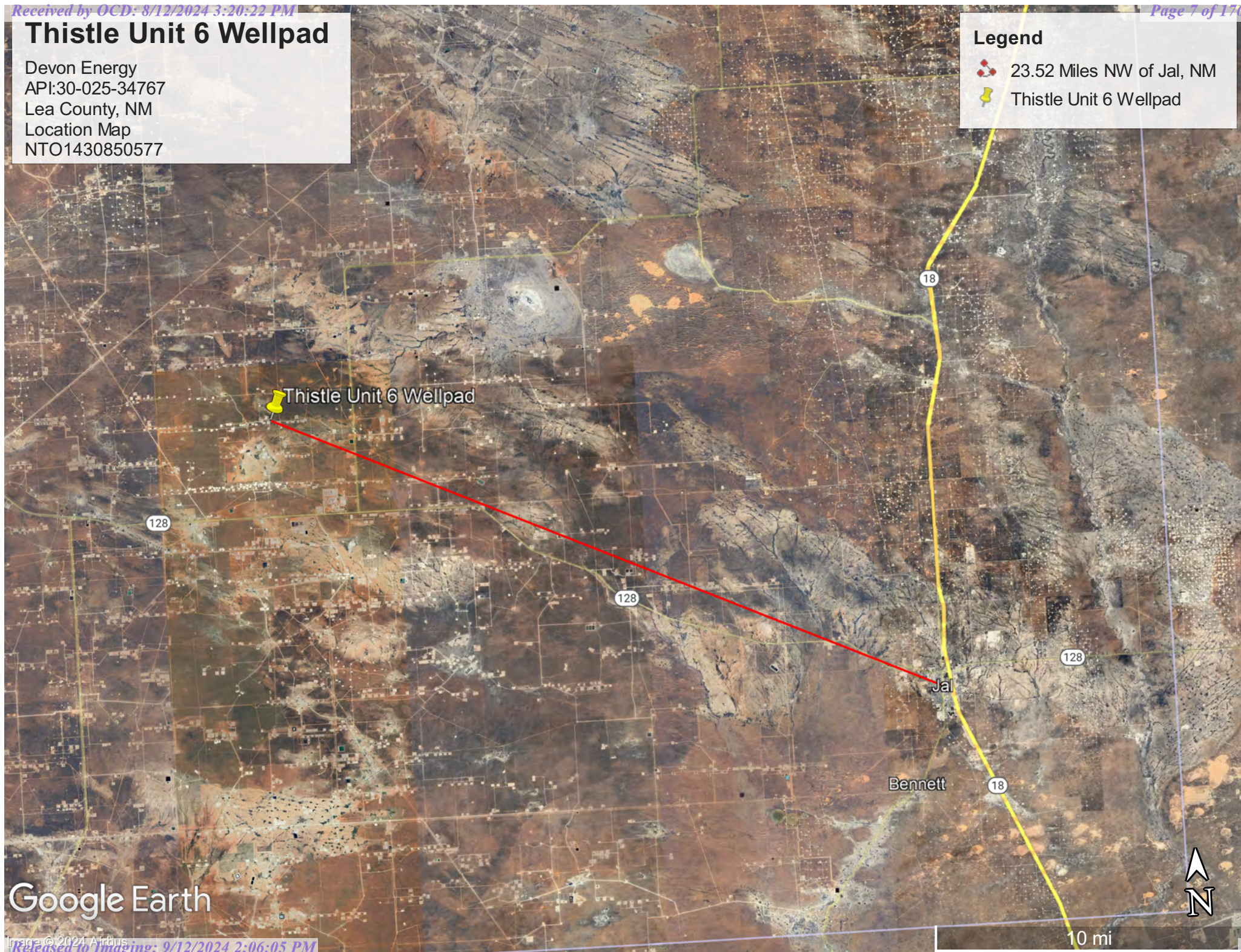
Figure 5- Confirmation Sample Map

Thistle Unit 6 Wellpad

Devon Energy
API:30-025-34767
Lea County, NM
Location Map
NTO1430850577

Legend

-  23.52 Miles NW of Jal, NM
-  Thistle Unit 6 Wellpad



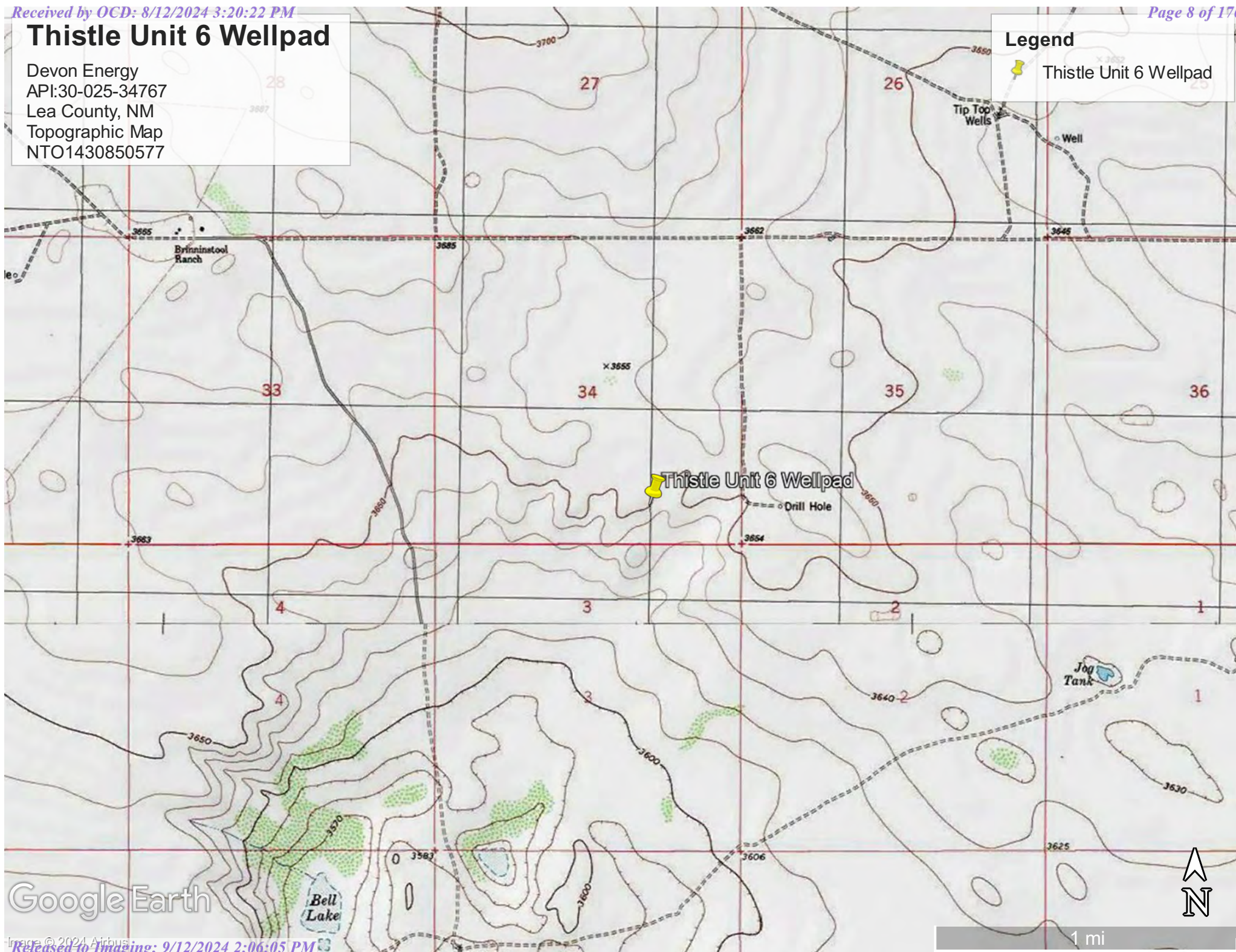
Google Earth

Thistle Unit 6 Wellpad

Devon Energy
API:30-025-34767
Lea County, NM
Topographic Map
NTO1430850577

Legend

 Thistle Unit 6 Wellpad



Google Earth

Thistle Unit 6 Wellpad

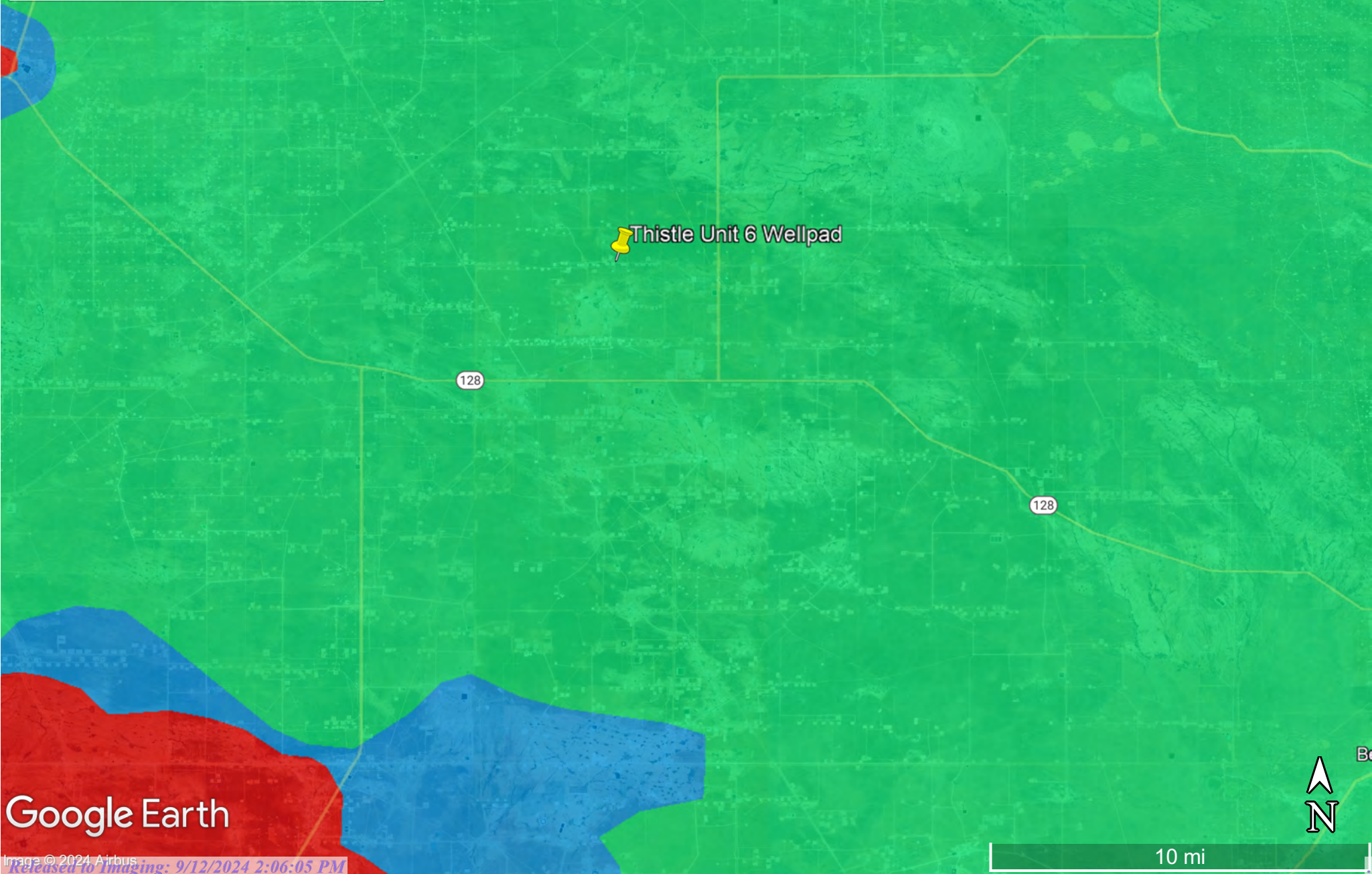
Devon Energy
API:30-025-34767
Lea County, NM
Karst Map
NTO1430850577

Legend

High Karst

Low Karst

Medium Karst



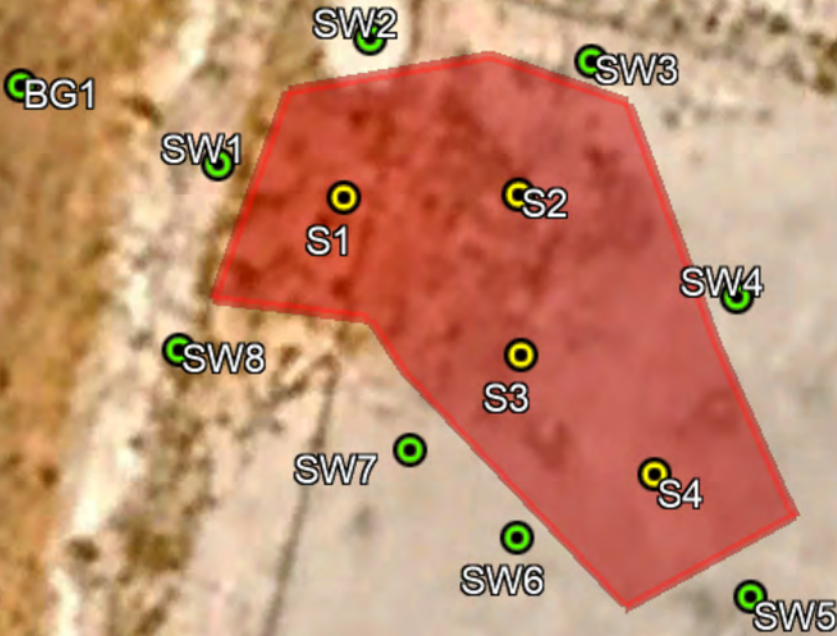
Google Earth

Thistle Unit #6 WellPad

Devon Energy
API: 30-025-34767
Lea County, NM
Site Map
NTO1430850577

Legend

- 2,550 SQFT
- Samples
- Sidewalls/Background
- Thistle Unit 6



Thistle Unit 6

Google Earth



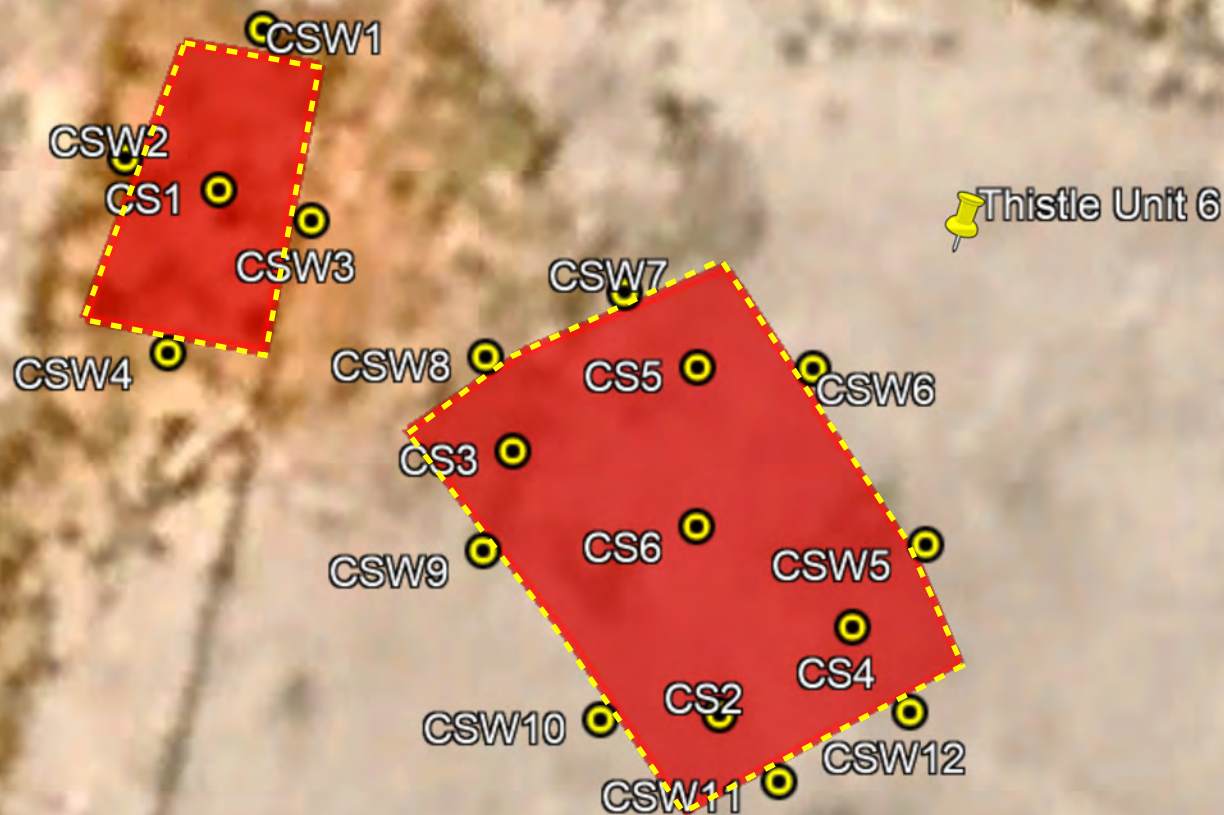
80 ft

Thistle Unit #6 Wellpad

Devon Energy
API: 30-025-3467
Lea County, NM
Confirmation Sample Map
NTO1430850577

Legend

- Confirmation Samples
- Excavation
- Thistle Unit 6



50 ft

Google Earth



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	Depth	Well	Depth	Water Column
C 04595 POD1		CUB	LE	4	3	3	34	23S	33E	635150	3569564	818		55		
C 04753 POD1		CUB	LE	4	4	3	35	23S	33E	637075	3569526	1130		55		
C 02281		CUB	LE	3	4	4	28	23S	33E	634495	3571183*	2085		545	400	145
C 02280		CUB	LE	3	2	4	28	23S	33E	634489	3571586*	2393		650	400	250
C 04804 POD1		CUB	LE	1	1	3	01	24S	33E	638093	3568540	2428		100		
C 02308		CUB	LE	1	3	1	10	24S	33E	634953	3567364*	2538		40	20	20
C 04707 POD1		CUB	LE	4	3	3	33	23S	33E	633413	3569469	2554				
C 04741 POD1		CUB	LE	1	2	4	10	24S	33E	636076	3567039	2658		55		
C 02279		CUB	LE	3	4	3	28	23S	33E	633691	3571173*	2705		650	400	250
C 02278		CUB	LE	3	4	2	28	23S	33E	634484	3571989*	2725		650	400	250
C 02284		CUB	LE	4	2	4	26	23S	33E	637907	3571626*	2743		325	225	100
C 02283		CUB	LE	4	2	2	26	23S	33E	637896	3572431*	3352		325	225	100
C 04014 POD5		CUB	LE	1	4	2	01	24S	33E	639284	3569086	3382		95	85	10
C 03591 POD1		CUB	LE	2	1	4	05	24S	33E	632731	3568518	3434				
C 04014 POD4		CUB	LE	3	4	2	01	24S	33E	639295	3568859	3440		96	86	10
C 02282		CUB	LE	3	1	1	25	23S	33E	638098	3572436*	3477		325	225	100
C 04014 POD3		CUB	LE	2	4	2	01	24S	33E	639497	3569007	3606		95	87	8
C 04014 POD2		CUB	LE	4	4	2	01	24S	33E	639656	3568917	3779		95	81	14

C 04824 POD1	CUB	LE	1	1	2	16	24S	33E	634113	3566203		3949	105		
C 04014 POD1	CUB	LE	1	1	3	06	24S	34E	639811	3568638		3996	91	81	10
C 03565 POD3	CUB	LE		3	4	08	24S	33E	632763	3566546		4485		1533	
C 02277	CUB	LE	2	3	4	20	23S	33E	632663	3572970*		4644	550	400	150

Average Depth to Water: 309 feet

Minimum Depth: 20 feet

Maximum Depth: 1533 feet

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 635957.48 Northing (Y): 3569695.85 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.


5/22/24 10:56 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04595 POD1	4	3	3	34	23S	33E	635150	3569564 

x

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE ATKINS

Drill Start Date: 03/09/2022 **Drill Finish Date:** 03/09/2022 **Plug Date:** 03/31/2022

Log File Date: 04/04/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 55 feet **Depth Water:**

x

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.




5/22/24 10:57 AM

POINT OF DIVERSION SUMMARY

Thistle Unit #6

Devon Energy
API: 30-025-36544
Lea County, NM
OSE POD MAP
NTO1430850577

Legend

-  0.48 of a mile
-  C-04595-POD 1
-  Thistle Unit 6 Wellpad

C-04595-POD 1

Thistle Unit 6 Wellpad

Google Earth



1000 ft



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321403103300301

Minimum number of levels = 1

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

USGS 321403103300301 24S.34E.07.22222

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

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

Land-surface elevation 3,606 feet above NAVD88

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

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

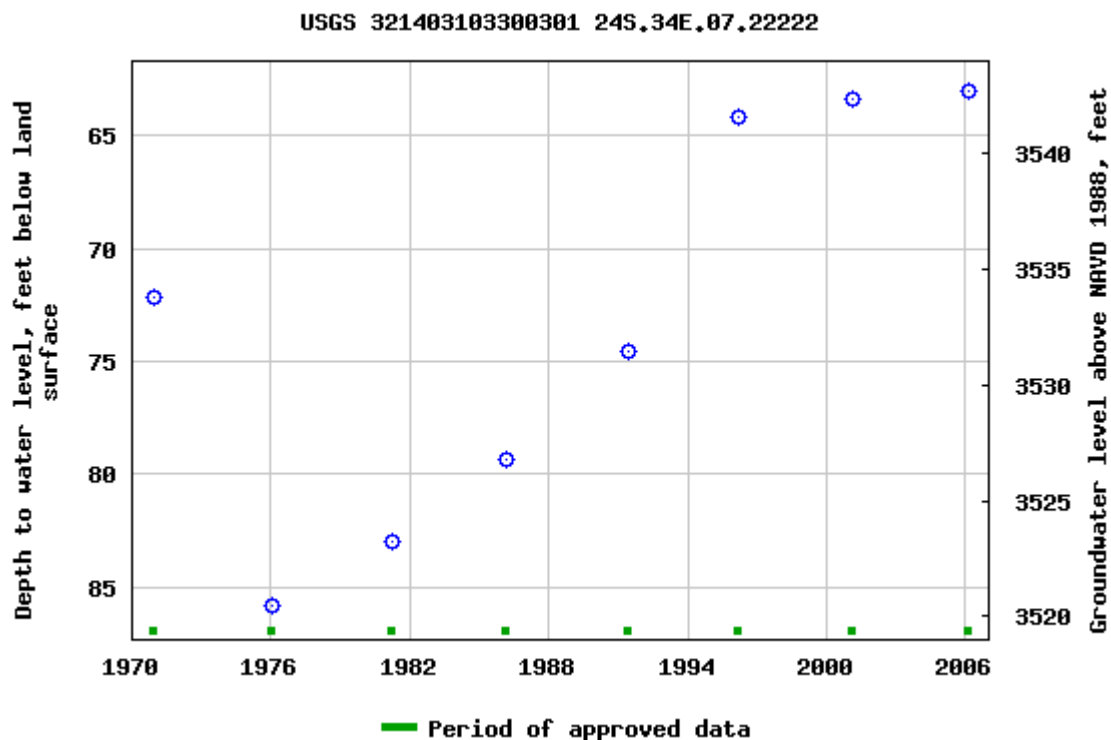
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Questions or Comments](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-03-06 11:04:22 EST

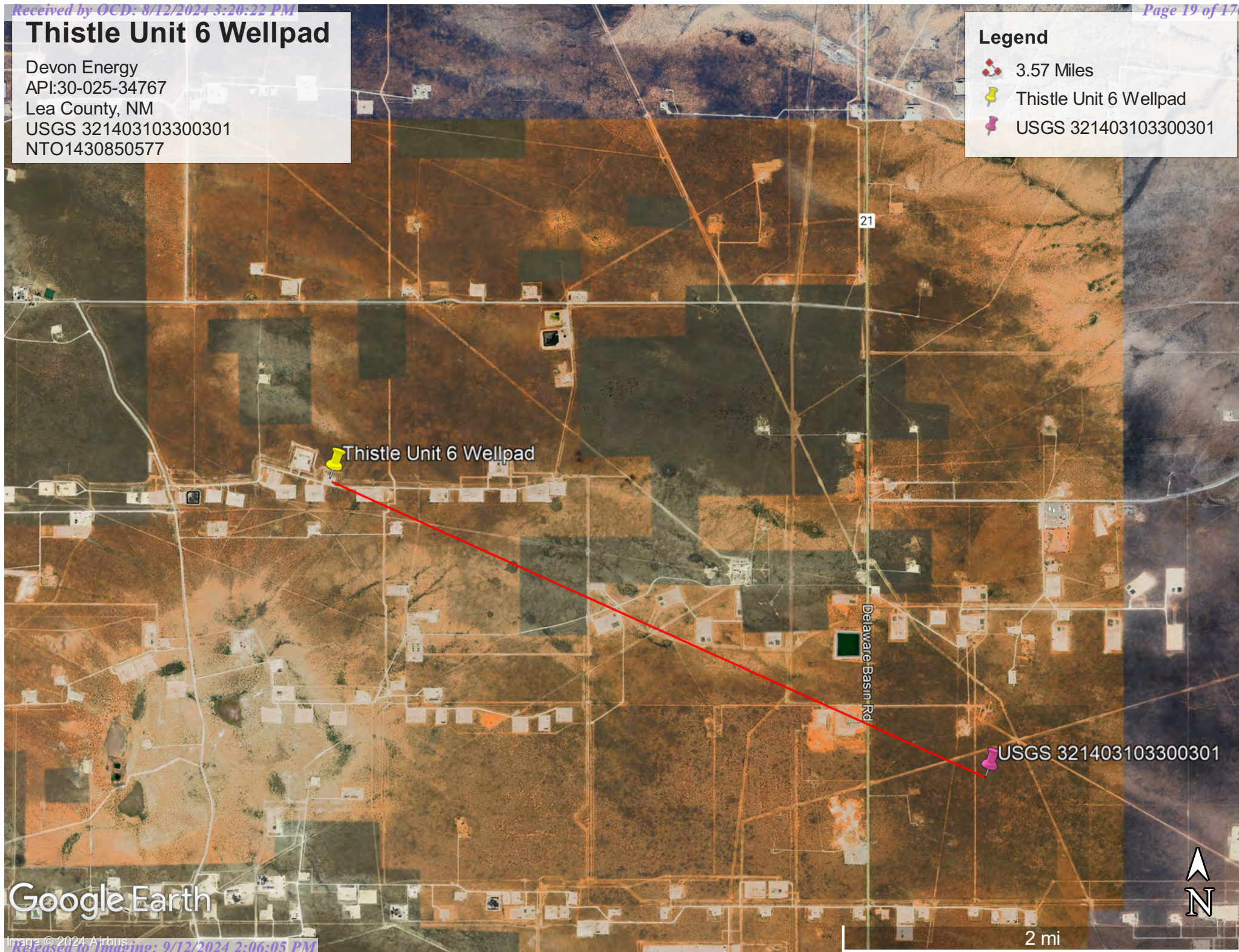
0.62 0.54 nadww01

Thistle Unit 6 Wellpad

Devon Energy
API:30-025-34767
Lea County, NM
USGS 321403103300301
NTO1430850577

Legend

- 3.57 Miles
- Thistle Unit 6 Wellpad
- USGS 321403103300301



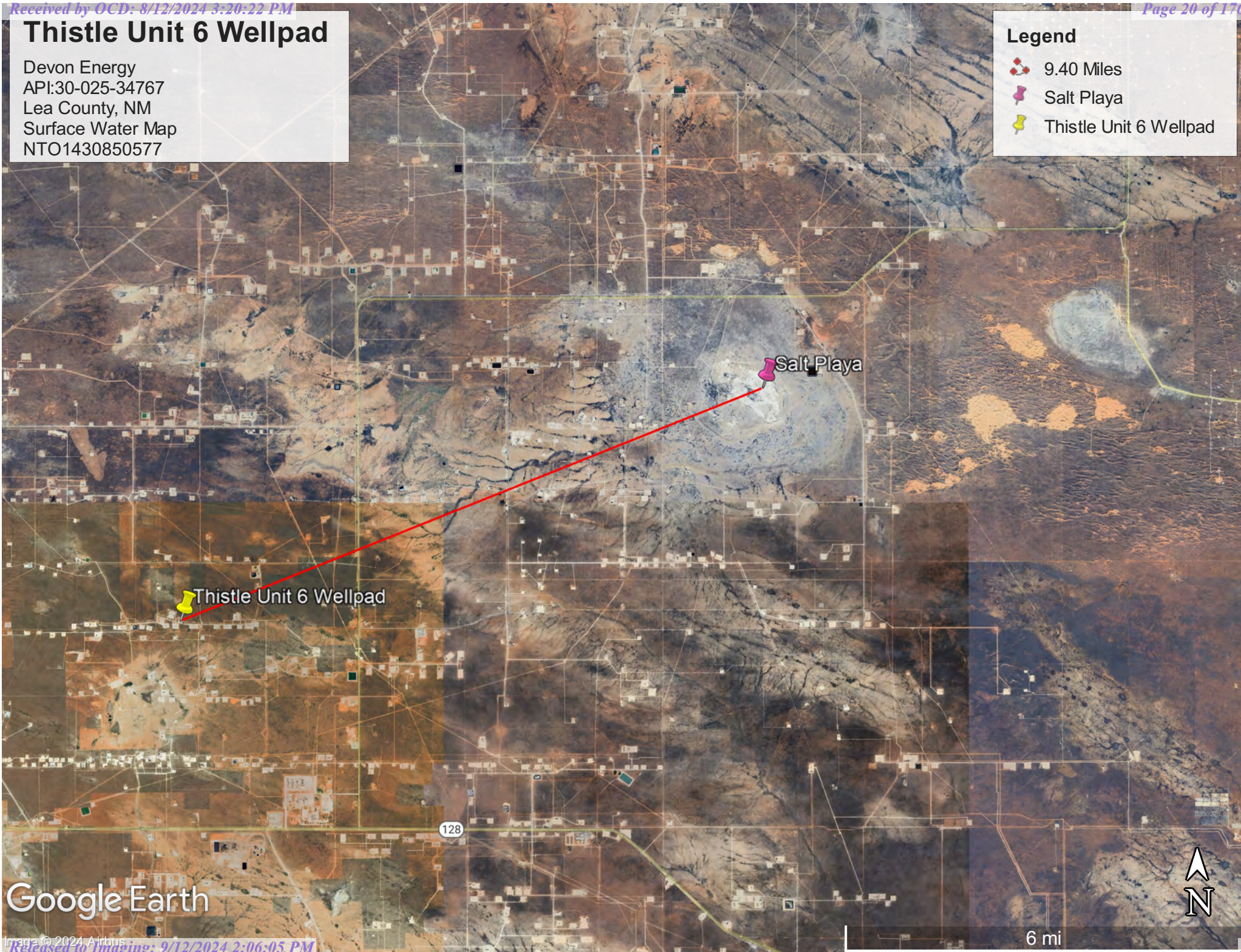
Google Earth

Thistle Unit 6 Wellpad

Devon Energy
API:30-025-34767
Lea County, NM
Surface Water Map
NTO1430850577

Legend

- 9.40 Miles
- Salt Playa
- Thistle Unit 6 Wellpad



Google Earth



Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

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

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 13 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent

Cacique and similar soils: 40 percent

Minor components: 10 percent

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

Description of Berino

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand

Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

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

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique**Setting**

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand

Bt - 12 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components**Maljamar**

Percent of map unit: 6 percent

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

Hydric soil rating: No

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

Palomas

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil Map—Lea County, New Mexico




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

7/23/2024
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	1.8	100.0%
Totals for Area of Interest		1.8	100.0%

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

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)
/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)
/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

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

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal (https://www.usgs.gov/laws/policies_notices.html) |
Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |
Contact USGS (<https://answers.usgs.gov/>)

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








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

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

Thistle Unit #6

Devon Energy
API: 30-025-34767
Lea County, NM
Geological Map
NTO1430850577

Legend

-  Dikes, sills, veins
-  Eolian and piedmont deposits
-  Faults
-  Ogallala Formation
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  Rustler Formation
-  Thistle Unit #6

Thistle Unit #6

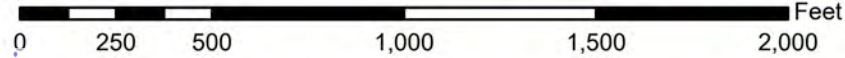
Google Earth



National Flood Hazard Layer FIRMMette



103°33'43"W 32°15'35"N



1:6,000

103°33'6"W 32°15'5"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

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

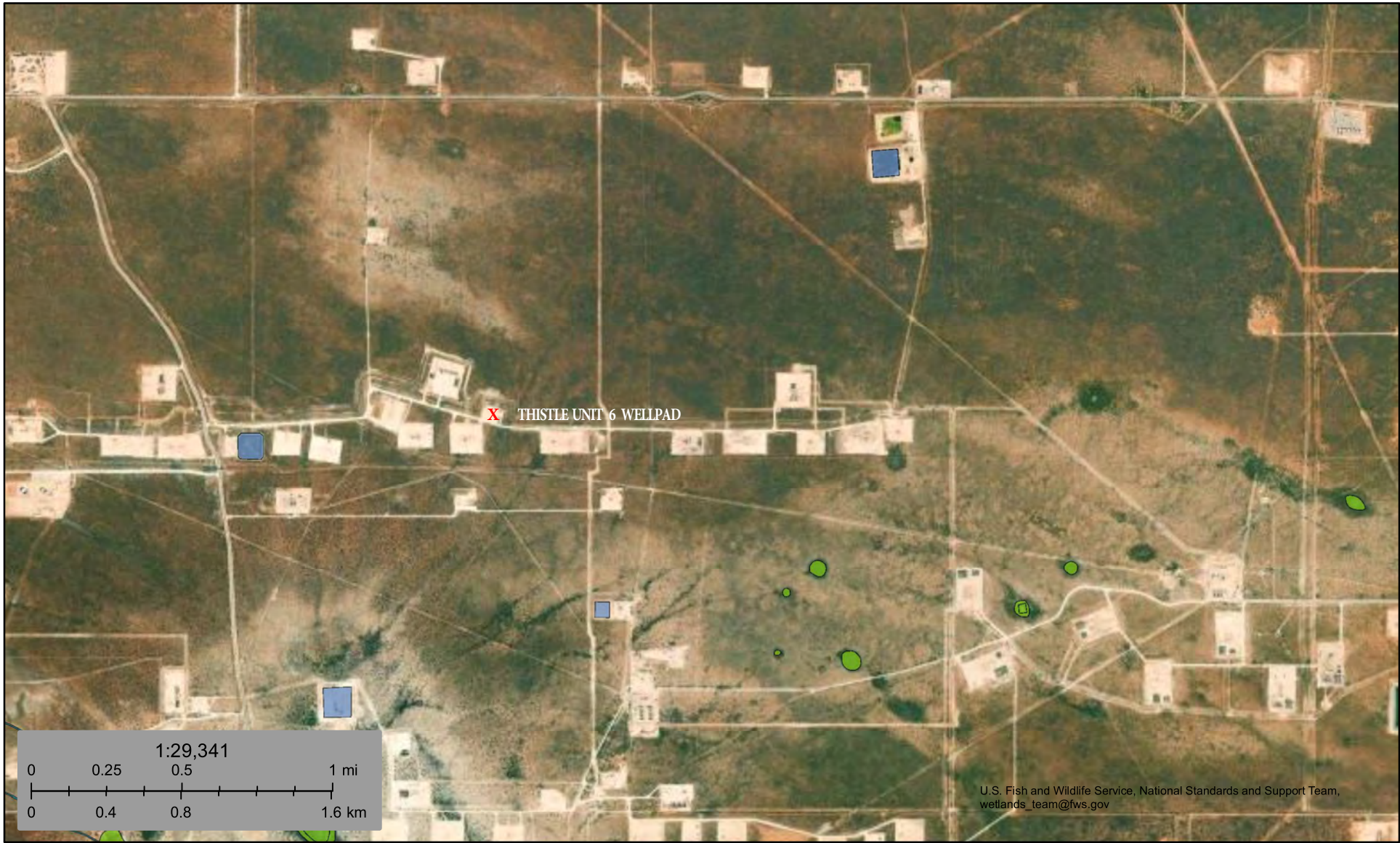
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **3/6/2024 at 11:12 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded 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.

Received by OCD: 8/12/2024 3:20:22 PM

Page 31 of 176

Wetlands



March 6, 2024

Wetlands

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

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



Appendix C

○ 48-Hour Notification

lynsey@pimaoil.com

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Thursday, July 11, 2024 1:19 PM
To: 'Gio PimaOil'; Tom Pima Oil; Lynsey Pima Oil; Delrae Pima Oil
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 363344

Dale Woodall
Environmental Professional
Hobbs, NM
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, July 11, 2024 1:18 PM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 363344

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nTO1430850577.

The sampling event is expected to take place:

When: 07/15/2024 @ 14:00

Where: O-34-23S-33E 660 FSL 1560 FEL (32.2557335,-103.5566711)

Additional Information: Andrew Franco -806-200-0054

Additional Instructions: From the Intersection of Delaware basin RD and Shell Rd, Travel north on Delaware Basin Rd for 0.94 miles, Turn west on lease Rd for 3.95 miles, turn South on Lease Rd for 1.03 miles, turn east on lease Rd for 0.79 of a mile arriving to location.

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

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

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.



Appendix D

○ Photographic Documentation

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Thistle Unit #6

Assessment:



Site information sign.



Photo taken of the discovered illegal dumping from unknown party on Devon location. Northwest side of the location while performing the assessment.



Photo taken on Northwest side of the location while performing the assessment.



Photo taken on Northwest side of the location while performing the assessment.



Photo taken on Northwest side of the location while performing the assessment.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Thistle Unit #6

Pre Excavation:



Photo taken prior to excavation on Northwest side of the location, taken facing Northwest.



Photo taken prior to excavation on Northwest side of the location, taken facing Northwest.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Thistle Unit #6

Excavation:



Photo taken during excavation on Northwest side of pad, taken facing Southwest.



Photo taken during excavation on Northwest side of pad, taken facing Southeast.



Photo taken during excavation on Northwest side of pad, taken facing Southwest.



Photo taken during excavation on Northwest side of pad, taken facing East.



Photo taken during excavation on Northwest side of pad, taken facing Northwest.



Appendix E

○ Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6

Work Order: E403084

Job Number: 01058-0007

Received: 3/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/18/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Thistle Unit 6
Workorder: E403084
Date Received: 3/8/2024 6:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/8/2024 6:15:00AM, under the Project Name: Thistle Unit 6.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 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
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzaes
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

Table of Contents (continued)

SW5	26
SW6	27
SW7	28
SW8	29
BG1	30
S1 -5'	31
S2 -5'	32
S3 -5'	33
S4 -5'	34
QC Summary Data	35
QC - Volatile Organics by EPA 8021B	35
QC - Nonhalogenated Organics by EPA 8015D - GRO	37
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	39
QC - Anions by EPA 300.0/9056A	41
Definitions and Notes	43
Chain of Custody etc.	44

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 03/18/24 14:34
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 -1'	E403084-01A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -2'	E403084-02A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1 -3'	E403084-03A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1 -4'	E403084-04A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -1'	E403084-05A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -2'	E403084-06A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -3'	E403084-07A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -4'	E403084-08A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3 -1'	E403084-09A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3 -2'	E403084-10A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3 -3'	E403084-11A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3 -4'	E403084-12A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4 -1'	E403084-13A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4 -2'	E403084-14A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4 -3'	E403084-15A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4 -4'	E403084-16A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW1	E403084-17A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW2	E403084-18A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW3	E403084-19A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW4	E403084-20A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW5	E403084-21A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW6	E403084-22A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW7	E403084-23A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW8	E403084-24A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
BG1	E403084-25A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1 -5'	E403084-26A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2 -5'	E403084-27A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3 -5'	E403084-28A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4 -5'	E403084-29A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 6 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/18/2024 2:34:54PM
---	--	----------------------------------

S1 -1'

E403084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.250	10	03/09/24	03/15/24	
Ethylbenzene	12.7	0.250	10	03/09/24	03/15/24	
Toluene	5.86	0.250	10	03/09/24	03/15/24	
o-Xylene	17.4	0.250	10	03/09/24	03/15/24	
p,m-Xylene	38.3	0.500	10	03/09/24	03/15/24	
Total Xylenes	55.7	0.250	10	03/09/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		03/09/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	360	200	10	03/09/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.8 %	70-130		03/09/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	29400	500	20	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	7770	1000	20	03/12/24	03/15/24	
Surrogate: n-Nonane	528 %	50-200		03/12/24	03/15/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	3370	40.0	2	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -2'

E403084-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane	100 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	2890	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S1 -3'

E403084-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	0.121	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	0.259	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	0.553	0.0500	1	03/09/24	03/13/24	
Total Xylenes	0.813	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	789	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	253	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	418	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S1 -4'

E403084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	0.164	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	0.288	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	0.642	0.0500	1	03/09/24	03/13/24	
Total Xylenes	0.930	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.7 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	513	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	172	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	254	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -1'

E403084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	106 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	88.6	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -2'

E403084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	104 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	87.7	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S2 -3'

E403084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	27.1	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	25.2	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S2 -4'

E403084-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 -1'

E403084-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.125	5	03/09/24	03/15/24	
Ethylbenzene	12.0	0.125	5	03/09/24	03/15/24	
Toluene	5.77	0.125	5	03/09/24	03/15/24	
o-Xylene	16.8	0.125	5	03/09/24	03/15/24	
p,m-Xylene	36.2	0.250	5	03/09/24	03/15/24	
Total Xylenes	53.0	0.125	5	03/09/24	03/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		03/09/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	377	100	5	03/09/24	03/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		03/09/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	26800	500	20	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	7040	1000	20	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
	477 %	50-200		03/12/24	03/15/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	3260	40.0	2	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S3 -2'

E403084-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0500	2	03/09/24	03/16/24	
Ethylbenzene	4.10	0.0500	2	03/09/24	03/16/24	
Toluene	0.850	0.0500	2	03/09/24	03/16/24	
o-Xylene	6.83	0.0500	2	03/09/24	03/16/24	
p,m-Xylene	13.6	0.100	2	03/09/24	03/16/24	
Total Xylenes	20.4	0.0500	2	03/09/24	03/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	03/09/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	178	40.0	2	03/09/24	03/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	03/09/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	2780	250	10	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	881	500	10	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	3650	40.0	2	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S3 -3'

E403084-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	0.226	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	0.450	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	0.985	0.0500	1	03/09/24	03/13/24	
Total Xylenes	1.44	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	28.6	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	793	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	239	50.0	1	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	323	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S3 -4'

E403084-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	0.163	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	0.301	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	0.654	0.0500	1	03/09/24	03/13/24	
Total Xylenes	0.955	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410161
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411047
Diesel Range Organics (C10-C28)	561	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	182	50.0	1	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2411034
Chloride	247	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -1'

E403084-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	99.0 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane	104 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	87.5	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -2'

E403084-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0500	2	03/09/24	03/18/24	
Ethylbenzene	4.62	0.0500	2	03/09/24	03/18/24	
Toluene	1.02	0.0500	2	03/09/24	03/18/24	
o-Xylene	6.85	0.0500	2	03/09/24	03/18/24	
p,m-Xylene	15.5	0.100	2	03/09/24	03/18/24	
Total Xylenes	22.4	0.0500	2	03/09/24	03/18/24	
Surrogate: 4-Bromochlorobenzene-PID		113 %	70-130	03/09/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	226	40.0	2	03/09/24	03/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	03/09/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	6610	500	20	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	1880	1000	20	03/12/24	03/15/24	
Surrogate: n-Nonane		174 %	50-200	03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	4120	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -3'

E403084-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane	103 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	25.0	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -4'

E403084-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.8 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW1

E403084-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	97.1 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane	108 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

SW2

E403084-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3

E403084-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
Surrogate: n-Nonane	109 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

SW4

E403084-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Benzene	ND	0.0250	1	03/09/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/13/24	
Toluene	ND	0.0250	1	03/09/24	03/13/24	
o-Xylene	ND	0.0250	1	03/09/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2410161	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		03/09/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2411047	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/15/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		03/12/24	03/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2411034	
Chloride	ND	20.0	1	03/11/24	03/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 6 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/18/2024 2:34:54PM
---	--	----------------------------------

SW5

E403084-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	ND	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/12/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/12/24	
Surrogate: 4-Bromochlorobenzene-PID	97.4 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.4 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	105 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	ND	20.0	1	03/13/24	03/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW6

E403084-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	ND	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	0.0542	0.0500	1	03/09/24	03/12/24	
Total Xylenes	0.0542	0.0250	1	03/09/24	03/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	ND	20.0	1	03/13/24	03/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW7

E403084-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	ND	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/12/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/12/24	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.4 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	108 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	ND	20.0	1	03/13/24	03/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW8

E403084-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	ND	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/12/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/12/24	
Surrogate: 4-Bromochlorobenzene-PID	97.5 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	106 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	ND	20.0	1	03/13/24	03/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG1

E403084-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	ND	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	ND	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	ND	0.0500	1	03/09/24	03/12/24	
Total Xylenes	ND	0.0250	1	03/09/24	03/12/24	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	97.1 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	ND	20.0	1	03/13/24	03/16/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S1 -5'

E403084-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	0.125	0.0250	1	03/09/24	03/12/24	
Toluene	0.0282	0.0250	1	03/09/24	03/12/24	
o-Xylene	0.196	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	0.469	0.0500	1	03/09/24	03/12/24	
Total Xylenes	0.664	0.0250	1	03/09/24	03/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.7 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411048
Diesel Range Organics (C10-C28)	297	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	70.6	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411085
Chloride	132	20.0	1	03/13/24	03/16/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S2 -5'

E403084-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	0.0889	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	0.138	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	0.330	0.0500	1	03/09/24	03/12/24	
Total Xylenes	0.467	0.0250	1	03/09/24	03/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411048
Diesel Range Organics (C10-C28)	264	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	73.2	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411085
Chloride	98.9	20.0	1	03/13/24	03/16/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/18/2024 2:34:54PM

S3 -5'

E403084-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	0.0769	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	0.118	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	0.273	0.0500	1	03/09/24	03/12/24	
Total Xylenes	0.391	0.0250	1	03/09/24	03/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2410163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411048
Diesel Range Organics (C10-C28)	243	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	68.6	50.0	1	03/12/24	03/13/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/12/24	03/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411085
Chloride	91.9	20.0	1	03/13/24	03/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -5'

E403084-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Benzene	ND	0.0250	1	03/09/24	03/12/24	
Ethylbenzene	0.0950	0.0250	1	03/09/24	03/12/24	
Toluene	ND	0.0250	1	03/09/24	03/12/24	
o-Xylene	0.145	0.0250	1	03/09/24	03/12/24	
p,m-Xylene	0.345	0.0500	1	03/09/24	03/12/24	
Total Xylenes	0.490	0.0250	1	03/09/24	03/12/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2410163	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/24	03/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		03/09/24	03/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2411048	
Diesel Range Organics (C10-C28)	243	25.0	1	03/12/24	03/13/24	
Oil Range Organics (C28-C36)	66.0	50.0	1	03/12/24	03/13/24	
Surrogate: n-Nonane	106 %	50-200		03/12/24	03/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2411085	
Chloride	95.7	20.0	1	03/13/24	03/16/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 2:34:54PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2410161-BLK1)

Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

LCS (2410161-BS1)

Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.25	0.0250	5.00		105	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

LCS Dup (2410161-BSD1)

Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	5.34	0.0250	5.00		107	70-130	1.43	20	
Ethylbenzene	5.19	0.0250	5.00		104	70-130	1.62	20	
Toluene	5.33	0.0250	5.00		107	70-130	1.55	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	1.70	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	1.70	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	1.70	20	
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2410163-BLK1) Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

LCS (2410163-BS1) Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	4.88	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.7	70-130			
Toluene	4.87	0.0250	5.00		97.5	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.68	0.0500	10.0		96.8	70-130			
Total Xylenes	14.5	0.0250	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.1	70-130			

LCS Dup (2410163-BSD1) Prepared: 03/09/24 Analyzed: 03/13/24

Benzene	5.13	0.0250	5.00		103	70-130	4.96	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	4.87	20	
Toluene	5.11	0.0250	5.00		102	70-130	4.67	20	
o-Xylene	5.05	0.0250	5.00		101	70-130	4.88	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	4.62	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	4.70	20	
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 2:34:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2410161-BLK1) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2410161-BS2) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

LCS Dup (2410161-BSD2) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130	3.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2410163-BLK1) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

LCS (2410163-BS2) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

LCS Dup (2410163-BSD2) Prepared: 03/09/24 Analyzed: 03/13/24

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.9	70-130	8.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 3/18/2024 2:34:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2411047-BLK1)					Prepared: 03/12/24 Analyzed: 03/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.2		50.0		104	50-200			

LCS (2411047-BS1)					Prepared: 03/12/24 Analyzed: 03/13/24				
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS Dup (2411047-BSD1)					Prepared: 03/12/24 Analyzed: 03/15/24				
Diesel Range Organics (C10-C28)	316	25.0	250		127	38-132	1.27	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 2:34:54PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2411048-BLK1)					Prepared: 03/12/24 Analyzed: 03/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2411048-BS1)					Prepared: 03/12/24 Analyzed: 03/13/24				
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS Dup (2411048-BSD1)					Prepared: 03/12/24 Analyzed: 03/13/24				
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132	0.0476	20	
Surrogate: n-Nonane	50.4		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 2:34:54PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2411034-BLK1)					Prepared: 03/11/24 Analyzed: 03/14/24				
Chloride	ND	20.0							
LCS (2411034-BS1)					Prepared: 03/11/24 Analyzed: 03/14/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2411034-MS1)					Source: E403084-02		Prepared: 03/11/24 Analyzed: 03/14/24		
Chloride	3470	20.0	250	2890	233	80-120			M4
Matrix Spike Dup (2411034-MSD1)					Source: E403084-02		Prepared: 03/11/24 Analyzed: 03/14/24		
Chloride	3160	20.0	250	2890	111	80-120	9.22	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 2:34:54PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2411085-BLK1)					Prepared: 03/13/24 Analyzed: 03/16/24				
Chloride	ND	20.0							
LCS (2411085-BS1)					Prepared: 03/13/24 Analyzed: 03/16/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2411085-MS1)					Source: E403084-24		Prepared: 03/13/24 Analyzed: 03/16/24		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2411085-MSD1)					Source: E403084-24		Prepared: 03/13/24 Analyzed: 03/16/24		
Chloride	255	20.0	250	ND	102	80-120	0.999	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/18/24 14:34

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services					Bill To: <u>Devon</u>					Lab Use Only					TAT				EPA Program					
Project: <u>Thistle Unit 6</u>					Attention: <u>Devon</u>					Lab WO# <u>E 403084</u>					Job Number <u>1005B-0007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method														
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip														RCRA					
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:																			
Phone: <u>580-748-1613</u>					Email:																			
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>174-1</u>																			
Report due by:																								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	3/6	S		S1-1'	1							X		
8:17				S1-2'	2									
8:25				S1-3'	3									
8:36				S1-4'	4									
8:41				S2-1'	5									
8:55				S2-2'	6									
9:06				S2-3'	7									
9:11				S2-4'	8									
9:17				S3-1'	9									
9:22				S3-2'	10									

Additional Instructions: B# 21308909

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) Carime A. Date 3/7/24 Time 1:45 Received by: (Signature) Michelle Kaye Date 3-7-24 Time 1345

Relinquished by: (Signature) Michelle Kaye Date 3-7-24 Time 1640 Received by: (Signature) Andrea M. B. Date 3-7-24 Time 1640

Relinquished by: (Signature) Andrea M. B. Date 3-7-24 Time 2330 Received by: (Signature) AS Date 3/8/24 Time 0015

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>Thistle Unit 6</u>				Attention: <u>Devon</u>				Lab WO# <u>E 405084</u>				Job Number <u>01058-1007</u>				1D 2D 3D Standard			
Project Manager: <u>Tom Bynum</u>				Address:				Analysis and Method				<input checked="" type="checkbox"/> 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input checked="" type="checkbox"/> Standard				CWA			
Address: <u>5614 N. Lovington Hwy.</u>				City, State, Zip												SDWA			
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone:												RCRA			
Phone: <u>580-748-1613</u>				Email:				DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				State							
Email: <u>tom@pimaoil.com</u>				Pima Project # <u>174-1</u>								NM CO UT AZ TX							
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks		
9:26	3/6	S		S3-3'	11														
9:33				S3-4'	12														
9:45				S4-1'	13														
9:56				S4-2'	14														
10:07				S4-3'	15														
10:12				S4-4'	16														
10:19				SW1	17														
10:28				SW2	18														
10:33				SW3	19														
10:46				SW4	20														
Additional Instructions: <u>B# 21308909</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only							
<u>Kurine Ham</u>		3/7/24		1:45		<u>Michelle Cyl</u>		3-7-24		1345		Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N							
<u>Michelle Cyl</u>		3-7-24		1640		<u>Andrew M880</u>		3-7-24		1640		T1 T2 T3							
<u>Andrew M880</u>		3-7-24		2330		<u>AG</u>		3-8-24		0015		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.																			

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services				Bill To				Lab Use Only				TAT				EPA Program			
Project: <u>Thistle Unit 6</u>				Attention: <u>Devon</u>				Lab WO#				Job Number				1D 2D 3D Standard			
Project Manager: <u>Tom Bynum</u>				Address:												CWA SDWA			
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>174-1</u>															
Report due by:																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRQ/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			State	NM	CO	UT	AZ	TX	Remarks	
10:50	3/6	S		SW5	21								X											
11:11				SW6	22																			
11:17				SW7	23																			
11:25				SW8	24																			
11:32				BG1	25																			

Additional Instructions: B # 21308909

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) Karina A. Date 3/7/24 Time 1:45 Received by: (Signature) Micella Cough Date 3-7-24 Time 1345

Relinquished by: (Signature) Micella Cough Date 3-7-24 Time 1640 Received by: (Signature) Andrew MBB Date 3-7-24 Time 1640

Relinquished by: (Signature) Andrew MBB Date 3-7-24 Time 2330 Received by: (Signature) AG Date 3/8/24 Time 0615

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: 3/11/2024 11:52:15AM

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:	03/08/24 06:15	Work Order ID:	E403084
Phone:	(575) 631-6977	Date Logged In:	03/07/24 16:42	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/15/24 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

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

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 3

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Thistle Unit 6</u>					Attention: <u>Devon</u>		Lab WO# <u>E 403084</u>		Job Number <u>005B-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:									X		
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>174-1</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State	
															NM CO UT AZ TX X	
8:00	3/6	S		S1-1'	1								X		Remarks	
8:17				S1-2'	2											
8:25				S1-3'	3											
8:36				S1-4'	4											
8:41				S2-1'	5											
8:55				S2-2'	6											
9:06				S2-3'	7											
9:11				S2-4'	8											
9:17				S3-1'	9											
9:22				S3-2'	10											
Additional Instructions: <u>B# 21308909</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karine A.</u>		<u>3/7/24</u>	<u>1:45</u>	<u>Michelle Gay</u>		<u>3-7-24</u>	<u>1345</u>	Received on Ice: <u>(Y)</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Gay</u>		<u>3-7-24</u>	<u>1640</u>	<u>Andrea M880</u>		<u>3-7-24</u>	<u>1640</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrea M880</u>		<u>3-7-24</u>	<u>2330</u>	<u>AS</u>		<u>3/8/24</u>	<u>0015</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

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>Thistle Unit 6</u>					Attention: <u>Devon</u>					Lab WO# <u>E 403084</u>					Job Number <u>0105B-1007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:					Analysis and Method														
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip														RCRA					
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:																			
Phone: <u>580-748-1613</u>					Email:																			
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>174-1</u>																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	BDOC TX				State	Remarks					
9:26	3/6	S		S3-3'	11								X					NM						
9:33				S3-4'	12													CO						
9:45				S4-1'	13													UT						
9:56				S4-2'	14													AZ						
10:07				S4-3'	15													TX						
10:12				S4-4'	16																			
10:19				SW1	17																			
10:28				SW2	18																			
10:33				SW3	19																			
10:46				SW4	20																			
Additional Instructions: <u>B# 21308909</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>Kurine Han</u>					Date <u>3/7/24</u>		Time <u>1:45</u>		Received by: (Signature) <u>Michelle Cyl</u>					Date <u>3-7-24</u>		Time <u>1345</u>		Lab Use Only						
Relinquished by: (Signature) <u>Michelle Cyl</u>					Date <u>3-7-24</u>		Time <u>1640</u>		Received by: (Signature) <u>Andrew Russo</u>					Date <u>3-7-24</u>		Time <u>1640</u>		Received on ice: <u>Y/N</u>						
Relinquished by: (Signature) <u>Andrew Russo</u>					Date <u>3-7-24</u>		Time <u>2330</u>		Received by: (Signature) <u>DR</u>					Date <u>3-8-24</u>		Time <u>0015</u>		T1 _____ T2 _____ T3 _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								


envirotech

Project Information

Chain of Custody

Page 3 of 3

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Thistle Unit 6</u>					Attention: <u>Devon</u>		Lab WO# <u>E 403084</u>		Job Number <u>101058-007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
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>174-1</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX		
10:50	3/6	S		SW5	21								X			
11:11				SW6	22											
11:17				SW7	23											
11:25				SW8	24											
11:32				BG1	25											
				S1-5'	26											
				S2-5'	27											
				S3-5'	28											
				S4-5'	29											
Additional Instructions: <u>B # 21308909</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karina A.</u>		<u>3/7/24</u>	<u>1:45</u>	<u>Michelle Cough</u>		<u>3-7-24</u>	<u>1345</u>	Received on ice: <u>Y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Cough</u>		<u>3-7-24</u>	<u>1640</u>	<u>Andrew Moss</u>		<u>3-7-24</u>	<u>1640</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrew Moss</u>		<u>3-7-24</u>	<u>2330</u>	<u>AO</u>		<u>3-8-24</u>	<u>0615</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.																

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6

Work Order: E405041

Job Number: 21064-0012

Received: 5/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/9/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/9/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Thistle Unit 6
Workorder: E405041
Date Received: 5/4/2024 7:15:13AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/4/2024 7:15:13AM, under the Project Name: Thistle Unit 6.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 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
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzaes
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1-6'	5
S2-6'	6
S3-6'	7
S4-6'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 05/09/24 13:31
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-6'	E405041-01A	Soil	05/02/24	05/04/24	Glass Jar, 2 oz.
S2-6'	E405041-02A	Soil	05/02/24	05/04/24	Glass Jar, 2 oz.
S3-6'	E405041-03A	Soil	05/02/24	05/04/24	Glass Jar, 2 oz.
S4-6'	E405041-04A	Soil	05/02/24	05/04/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 6 Project Number: 21064-0012 Project Manager: Gio Gomez	Reported: 5/9/2024 1:31:50PM
---	--	---------------------------------

S1-6'

E405041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.5 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419014	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	99.4 %	50-200		05/06/24	05/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2419131	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 5/9/2024 1:31:50PM
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2-6'

E405041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419014	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	93.0 %	50-200		05/06/24	05/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2419131	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 5/9/2024 1:31:50PM
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3-6'

E405041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419014	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	96.0 %	50-200		05/06/24	05/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2419131	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 21064-0012
Project Manager: Gio Gomez

Reported:
5/9/2024 1:31:50PM

S4-6'

E405041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419014	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
<i>Surrogate: n-Nonane</i>						
	94.1 %	50-200		05/06/24	05/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419131	
Chloride	ND	20.0	1	05/08/24	05/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 1:31:50PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2419005-BLK1) Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 7.35 8.00 91.9 70-130

LCS (2419005-BS1) Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	4.99	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.45 8.00 93.1 70-130

Matrix Spike (2419005-MS1) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70-130

Matrix Spike Dup (2419005-MSD1) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	5.00	0.0250	5.00	ND	100	54-133	1.50	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	1.43	20	
Toluene	4.94	0.0250	5.00	ND	98.8	61-130	1.61	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	1.45	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	1.41	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131	1.42	20	

Surrogate: 4-Bromochlorobenzene-PID 7.53 8.00 94.1 70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 1:31:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2419005-BLK1) Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2419005-BS2) Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

Matrix Spike (2419005-MS2) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			

Matrix Spike Dup (2419005-MSD2) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	92.9	70-130	0.379	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 1:31:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2419014-BLK1) Prepared: 05/06/24 Analyzed: 05/06/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.8		50.0		118	50-200			

LCS (2419014-BS1) Prepared: 05/06/24 Analyzed: 05/06/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2419014-MS1) Source: E405035-11 Prepared: 05/06/24 Analyzed: 05/06/24

Diesel Range Organics (C10-C28)	300	25.0	250	36.3	105	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2419014-MSD1) Source: E405035-11 Prepared: 05/06/24 Analyzed: 05/06/24

Diesel Range Organics (C10-C28)	300	25.0	250	36.3	105	38-132	0.133	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	21064-0012	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 1:31:50PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2419131-BLK1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	ND	20.0							
LCS (2419131-BS1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	270	20.0	250		108	90-110			
LCS Dup (2419131-BSD1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	270	20.0	250		108	90-110	0.0155	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
PO Box 247	Project Number:	21064-0012	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/09/24 13:31

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

E405041

21064-0012
~~01058-0007-1111~~

[illegible]

Envirotech Analytical Laboratory

Printed: 5/6/2024 5:58:29PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/04/24 07:15	Work Order ID:	E405041
Phone:	(575) 631-6977	Date Logged In:	05/03/24 16:30	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	05/10/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Lab received the COC with visible whiteout on the sampled date by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6

Work Order: E407123

Job Number: 01058-0007

Received: 7/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/17/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/17/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Thistle Unit 6
Workorder: E407123
Date Received: 7/17/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/17/2024 6:00:00AM, under the Project Name: Thistle Unit 6.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1	6
CS2	7
CS3	8
CS4	9
CS5	10
CS6	11
CS7	12
CS8	13
CS9	14
CS10	15
CS11	16
CS12	17
CSW1	18
CSW2	19
CSW3	20
CSW4	21
CSW5	22
CSW6	23
CSW7	24
CSW8	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/17/24 16:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E407123-01A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS2	E407123-02A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS3	E407123-03A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS4	E407123-04A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS5	E407123-05A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS6	E407123-06A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS7	E407123-07A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS8	E407123-08A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS9	E407123-09A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS10	E407123-10A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS11	E407123-11A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CS12	E407123-12A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW1	E407123-13A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW2	E407123-14A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW3	E407123-15A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW4	E407123-16A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW5	E407123-17A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW6	E407123-18A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW7	E407123-19A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW8	E407123-20A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 6 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/17/2024 4:18:08PM
---	--	----------------------------------

CS1
E407123-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	98.7 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CS2

E407123-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	106 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CS3

E407123-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	97.5 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CS4

E407123-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		123 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		100 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		123 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		100 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane		92.0 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS5
E407123-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		122 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		104 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		122 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		104 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane		108 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS6

E407123-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2429047	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	109 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2429047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	109 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429035	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	114 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2429040	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS7

E407123-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		107 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		107 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane		114 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS8
E407123-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		106 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		106 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane		112 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS9

E407123-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		105 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	07/16/24	07/17/24	
Surrogate: Toluene-d8		105 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane		111 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS10

E407123-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	113 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS11

E407123-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	94.2 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	94.2 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	112 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CS12

E407123-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	105 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CSW1

E407123-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	91.5 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW2

E407123-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2429047	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2429047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429035	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	92.0 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2429040	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3

E407123-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	92.1 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW4

E407123-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	93.0 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CSW5

E407123-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	115 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW6

E407123-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	104 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	111 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW7

E407123-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	94.9 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	94.9 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	109 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:18:08PM

CSW8

E407123-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		07/16/24	07/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/16/24	07/17/24	
Surrogate: Toluene-d8	105 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	110 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2429047-BLK1) Prepared: 07/16/24 Analyzed: 07/16/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2429047-BS1) Prepared: 07/16/24 Analyzed: 07/16/24

Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.6	70-130			
Toluene	2.38	0.0250	2.50		95.0	70-130			
o-Xylene	2.25	0.0250	2.50		89.9	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.7	70-130			
Total Xylenes	6.78	0.0250	7.50		90.5	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS Dup (2429047-BSD1) Prepared: 07/16/24 Analyzed: 07/16/24

Benzene	2.29	0.0250	2.50		91.4	70-130	2.82	23	
Ethylbenzene	2.45	0.0250	2.50		97.9	70-130	2.34	27	
Toluene	2.44	0.0250	2.50		97.4	70-130	2.52	24	
o-Xylene	2.32	0.0250	2.50		92.9	70-130	3.24	27	
p,m-Xylene	4.70	0.0500	5.00		93.9	70-130	3.47	27	
Total Xylenes	7.02	0.0250	7.50		93.6	70-130	3.39	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:18:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2429047-BLK1) Prepared: 07/16/24 Analyzed: 07/16/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2429047-BS2) Prepared: 07/16/24 Analyzed: 07/16/24

Gasoline Range Organics (C6-C10)	59.0	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

LCS Dup (2429047-BSD2) Prepared: 07/16/24 Analyzed: 07/16/24

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130	0.420	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2429035-BLK1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	50-200			

LCS (2429035-BS1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS Dup (2429035-BSD1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Diesel Range Organics (C10-C28)	235	25.0	250		94.2	38-132	1.92	20	
Surrogate: n-Nonane	54.6		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2429040-BLK1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Chloride	ND	20.0							
LCS (2429040-BS1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Chloride	248	20.0	250		99.2	90-110			
LCS Dup (2429040-BSD1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Chloride	247	20.0	250		98.8	90-110	0.392	20	

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

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/17/24 16:18

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: Thistle Unit 6					Attention: Devon		Lab WO# E407123		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gio Gomez					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 806-782-1151					Email:											
Email: gio@pimaoil.com					Pima Project # 1-174											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/RO 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	
															Remarks	
2:00	7/15	S	1	CS1	1								X			
2:08				CS2	2											
2:14				CS3	3											
2:19				CS4	4											
2:28				CS5	5											
2:33				CS6	6											
2:40				CS7	7											
2:43				CS8	8											
2:51				CS9	9											
2:59				CS10	10											
Additional Instructions: Billing# 1007096201																
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								
Kerime Adame		7/16/24	1:25	Michelle Gonzales		7-16-24	1325	Received on ice: Y / N								
Michelle Gonzales		7-16-24	1545	C.A.M.		7-16-24	1645	T1 T2 T3								
C.M.		7-16-24	2230	Kathryn R Heller		7-17-24	0600	AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services Project: <u>Thistle Unit 6</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____				Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-174</u>				Lab Use Only Lab WO# <u>E407123</u> Job Number <u>01058-0007</u> Analysis and Method: _____				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
								State: _____ NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>									
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	BDOC NM	BDOC TX	Remarks			
3:07	7/15	S	1	CS11	11							X					
3:13				CS12	12												
3:37				CSW1	13												
3:42				CSW2	14												
3:47				CSW3	15												
3:52				CSW4	16												
3:59				CSW5	17												
4:07				CSW6	18												
4:11				CSW7	19												
4:21				CSW8	20												

Additional Instructions: Billing # 1007096201

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: _____

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>7/16/24</u>	Time <u>1:25</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7.16.24</u>	Time <u>1325</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-16-24</u>	Time <u>1545</u>	Received by: (Signature) <u>J.M.</u>	Date <u>7.16.24</u>	Time <u>1645</u>
Relinquished by: (Signature) <u>J.M.</u>	Date <u>7.16.24</u>	Time <u>2230</u>	Received by: (Signature) <u>Kayla R Hall</u>	Date	Time

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

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

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

Envirotech Analytical Laboratory

Printed: 7/17/2024 12:34:32PM

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:	07/17/24 06:00	Work Order ID:	E407123
Phone:	(575) 631-6977	Date Logged In:	07/16/24 15:18	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	07/17/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierComments/Resolution

Thistle Unit 6 has been separated into multiple WO due to high sample volume. WO are E407123 and E407124.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6

Work Order: E407124

Job Number: 01058-0007

Received: 7/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/17/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/17/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Thistle Unit 6
Workorder: E407124
Date Received: 7/17/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/17/2024 6:00:00AM, under the Project Name: Thistle Unit 6.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CSW9	6
CSW10	7
CSW11	8
CSW12	9
CSW13	10
CSW14	11
CSW15	12
CSW16	13
CSW17	14
CSW18	15
CSW19	16
CSW20	17
CSW21	18
CSW22	19
CSW23	20
QC Summary Data	21
QC - Volatile Organics by EPA 8021B	21
QC - Nonhalogenated Organics by EPA 8015D - GRO	22
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	23
QC - Anions by EPA 300.0/9056A	24

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 07/17/24 16:19
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW9	E407124-01A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW10	E407124-02A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW11	E407124-03A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW12	E407124-04A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW13	E407124-05A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW14	E407124-06A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW15	E407124-07A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW16	E407124-08A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW17	E407124-09A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW18	E407124-10A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW19	E407124-11A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW20	E407124-12A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW21	E407124-13A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW22	E407124-14A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
CSW23	E407124-15A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.

Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW9

E407124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.8 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.0 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>	109 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW10

E407124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW11

E407124-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW12

E407124-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2429048
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429037
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW13

E407124-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW14

E407124-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	87.7 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	93.1 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW15

E407124-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	87.5 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	92.4 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW16

E407124-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	87.7 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	94.7 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW17

E407124-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2429048
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.6 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429037
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
		91.5 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW18

E407124-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW19

E407124-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	114 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW20

E407124-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2429048
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2429037
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW21
E407124-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	112 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW22

E407124-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
Surrogate: n-Nonane	94.9 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

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

Project Name: Thistle Unit 6
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/17/2024 4:19:50PM

CSW23

E407124-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Benzene	ND	0.0250	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	07/16/24	07/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2429048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2429037	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		07/17/24	07/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2429039	
Chloride	ND	20.0	1	07/17/24	07/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2429048-BLK1) Prepared: 07/16/24 Analyzed: 07/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.4	70-130			

LCS (2429048-BS1) Prepared: 07/16/24 Analyzed: 07/17/24

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

LCS Dup (2429048-BS1) Prepared: 07/16/24 Analyzed: 07/17/24

Benzene	5.25	0.0250	5.00		105	70-130	1.38	20	
Ethylbenzene	4.91	0.0250	5.00		98.3	70-130	1.18	20	
Toluene	5.18	0.0250	5.00		104	70-130	1.25	20	
o-Xylene	5.06	0.0250	5.00		101	70-130	1.08	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	1.10	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	1.09	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported: 7/17/2024 4:19:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2429048-BLK1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			

LCS (2429048-BS2)					Prepared: 07/16/24 Analyzed: 07/17/24				
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			

LCS Dup (2429048-BSD2)					Prepared: 07/16/24 Analyzed: 07/17/24				
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130	1.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:19:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2429037-BLK1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.2		50.0		112	50-200			

LCS (2429037-BS1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	58.5		50.0		117	50-200			

LCS Dup (2429037-BSD1)					Prepared: 07/16/24 Analyzed: 07/17/24				
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132	2.75	20	
Surrogate: n-Nonane	60.0		50.0		120	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:19:50PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2429039-BLK1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Chloride	ND	20.0							
LCS (2429039-BS1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2429039-BSD1)					Prepared: 07/16/24 Analyzed: 07/16/24				
Chloride	251	20.0	250		100	90-110	0.685	20	

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

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/17/24 16:19

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

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

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



Project Information

Chain of Custody

Page 3 of 4

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Thistle Unit 6</u>		Attention: <u>Devon</u>		Lab WO# <u>E407124</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		Address:		Address:				<input checked="" type="checkbox"/>					
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip		City, State, Zip									RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		Phone:									
Phone: <u>806-782-1151</u>		Email:		Email:									
Email: <u>gio@pimaoil.com</u>		Pima Project # <u>1-174</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
4:28	7/15	S	1	CSW9	1							X		
4:33				CSW10	2									
4:38				CSW11	3									
4:41				CSW12	4									
4:46				CSW13	5									
4:50				CSW14	6									
4:53				CSW15	7									
4:59				CSW16	8									
5:06				CSW17	9									
5:17				CSW18	10									

Additional Instructions:

Billing # 1007096201

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: 1

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

Relinquished by: (Signature) <u>Karime Adame</u>	Date <u>7/16/24</u>	Time <u>1:25</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-16-24</u>	Time <u>1325</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-16-24</u>	Time <u>1545</u>	Received by: (Signature) <u>A.M.</u>	Date <u>7-16-24</u>	Time <u>1645</u>	
Relinquished by: (Signature) <u>A.M.</u>	Date <u>7-16-24</u>	Time <u>2230</u>	Received by: (Signature) <u>Kayla A. Hall</u>	Date <u>7-17-24</u>	Time <u>0600</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

Project Information

Chain of Custody

Page 44 of 44

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Thistle Unit 6</u>		Attention: <u>Devon</u>		Lab WO# <u>E407124</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		Address:		Analysis and Method				<input checked="" type="checkbox"/>					
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		Chloride 300.0									
Phone: <u>806-782-1151</u>		Email:											
Email: <u>gio@pimaoil.com</u>		Pima Project # <u>1-174</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
5:20	7/15	S	1	CSW19	11							X		
5:26			1	CSW20	12									
5:31			1	CSW21	13									
5:39			1	CSW22	14									
5:43			1	CSW23	15									

Additional Instructions:

Billing # 1007096201

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

Sampled by:

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

Relinquished by: (Signature) <u>Carina Adams</u>	Date <u>7/16/24</u>	Time <u>1:25</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-16-24</u>	Time <u>1325</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-16-24</u>	Time <u>1545</u>	Received by: (Signature) <u>J.M.</u>	Date <u>7.16.24</u>	Time <u>1645</u>	
Relinquished by: (Signature) <u>J.M.</u>	Date <u>7-16-24</u>	Time <u>2230</u>	Received by: (Signature) <u>Kyle R Heale</u>	Date <u>7-17-24</u>	Time <u>0600</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

Envirotech Analytical Laboratory

Printed: 7/17/2024 12:37:58PM

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:	07/17/24 06:00	Work Order ID:	E407124
Phone:	(575) 631-6977	Date Logged In:	07/16/24 15:19	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	07/17/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierComments/Resolution

Thistle Unit 6 has been separated into multiple WO due to high sample volume. WO are E407123 and E407124.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 372955

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 372955
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nTO1430850577
Incident Name	NTO1430850577 THISTLE UNIT #006 @ 30-025-34767
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-34767] THISTLE UNIT #006

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	THISTLE UNIT #006
Date Release Discovered	11/04/2014
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Human Error Other (Specify) Drilling Mud/Fluid Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	372955
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dnv.com Date: 08/12/2024
--	--

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 3

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 372955
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	3370
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1042
GRO+DRO (EPA SW-846 Method 8015M)	377
BTEX (EPA SW-846 Method 8021B or 8260B)	55.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/11/2024
On what date will (or did) the final sampling or liner inspection occur	07/15/2024
On what date will (or was) the remediation complete(d)	07/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	1124
What is the estimated volume (in cubic yards) that will be reclaimed	72
What is the estimated surface area (in square feet) that will be remediated	1124
What is the estimated volume (in cubic yards) that will be remediated	72

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

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

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 4

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	372955
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 08/12/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 372955
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 6

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	372955
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	363344
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/15/2024
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	1524

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1124
What was the total volume (cubic yards) remediated	72
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1124
What was the total volume (in cubic yards) reclaimed	72
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 08/12/2024
--	--

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 372955

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	372955
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 372955

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 372955
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/12/2024