

## REMEDIATION CLOSURE REPORT

Incident ID NAPP2406623089

### **Thistle Unit 6 Wellpad**

Facility ID fAPP2202125175

Prepared By: Pima Environmental Services, LLC

Prepared For: Devon Energy Production, LP

October 17, 2024
Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240





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

October 17, 2024

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

Re: Site Assessment, Remediation, and Closure Report

Thistle Unit 6 Wellpad API No. 30-025-34767

GPS: Latitude 32.25555282 Longitude -103.5567415

UL - O, Section 34, T23S, R33E

Lea County, NM

NMOCD Ref. No. <u>NAPP2406623089</u>

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 a crude oil release that occurred at the Thistle Unit #006 (Thistle) The incident was assigned incident NAPP2406623089 on March 6, 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 32.25555282 Longitude -103.5567415, 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 Cr	iteria 19.15.29		
Depth to Groundwater		Cons	tituent & Limits		
(Appendix A)	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



#### **Release Information**

<u>NAPP2406623089</u>: On March 5, 2014, a valve broke on the back of a tank and spilled oil onto the ground. The hole in the valve was plugged. The released fluids were calculated to be approximately 8 barrels (bbls) of crude oil. A vacuum truck was called and was available to recover approximately 8 bbls of standing fluid.

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

On March 6 and May 10, 2024, Pima mobilized personnel to the site to collect soil samples from the spill area. 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 & 5-10-2024 Soil Sample Results

	NMOCD To	able 1 Closu	re Criteria	19.15.29 N	MAC (Dep	th to Groun	dwater is !	51-100')	
			DEVO	N ENERGY	Thistle Un	it 6			
			NM Ap	proved Labo	oratory Re	sults			
Sample ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI
Sumple 1D	Date:	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		1'	ND	ND	ND	ND	ND	0	86.4
S1	3/6/2024	2'	ND	ND	ND	ND	ND	0	79
31	3/0/2024	3'	ND	ND	ND	42.8	ND	42.8	35.7
		4'	ND	ND	ND	ND	ND	0	ND
		1'	62.5	ND	427	19900	5350	25739.5	3380
	3/6/2024	2'	ND	ND	ND	113	ND	113	1520
S2	3/0/2024	3'	1.26	ND	25.2	695	212	933.46	364
32		4'	0.648	ND	ND	470	149	619.648	244
	5/10/2024	5'	ND	ND	ND	ND	ND	0	ND
	3/10/2024	6'	ND	ND	ND	ND	ND	0	ND
		1'	ND	ND	ND	ND	ND	0	83.8
S3	3/6/2024	2'	ND	ND	ND	ND	ND	0	84.6
33	3/0/2024	3'	ND	ND	ND	ND	ND	0	25.3
		4'	ND	ND	ND	ND	ND	0	ND
	3/6/2024	1'	40.2	ND	261	14600	4300	19201.2	2600
		2'	ND	ND	ND	ND	ND	0	76.9
S4		3'	1.12	ND	21.8	870	272	1164.92	358
34		4'	0.673	ND	ND	517	161	678.673	245
	5/10/2024	5'	ND	ND	ND	ND	ND	0	ND
	3/10/2024	6'	ND	ND	ND	ND	ND	0	ND
		1'	86	ND	652	22300	6970	30008	3490
		2'	5.87	ND	78.5	2270	728	3082.37	3130
S5	3/6/2024	3'	0.565	ND	ND	656	232	888.565	343
35		4'	0.812	ND	ND	400	137	537.812	248
		5'	0.411	ND	ND	253	70.4	323.811	94
	5/10/2024	6'	ND	ND	ND	ND	ND	0	ND
		1'	28.7	ND	167	18200	5540	23935.7	3710
		2'	16.1	ND	91.2	15500	5980	21587.3	2970
S6	3/6/2024	3'	0.694	ND	ND	594	209	803.694	334
30		4'	0.379	ND	ND	160	52.1	212.479	172
		5'	0.438	ND	ND	356	117	473.438	105
	5/10/2024	6'	ND	ND	ND	ND	ND	0	ND
SW1	3/6/2024	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'	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 2 feet below ground surface (BGS). A total of 21 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: 363338, 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 2 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

		/-15	-24 Confiri	mation Sa	imple Resi	uits		
NM	OCD Table 1	L Closure	Criteria 19.1	5.29 NMA	C (Depth to	Groundwa	ter is 51-100	')
			DEVON EN					
Date: 7-15-2	4			NM Appr	oved Labora	atory Resu	lts	
	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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 highlighted confirmation samples pertain to Thistle Unit #006, Incident ID: NTO1430850577



#### Countermeasures Due to Rejection application ID:373275:

The prior report faced rejection due to concerns raised by the NMOCD. The summary of rejection outlined the following reasons:

1. Based on the remediation closure report, impacted soils in the areas north, east, and possibly west of the northern most production tank has not been addressed. Devon has until December 16, 2024, to redress the remaining impact portions and submit its appropriate or final remediation closure report.

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

On September 18, 2024. Pima mobilized personnel to the site to collect soil samples from the Northern, East and west of the production tank earthen containment. 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.

NIM	IOCD Table 1		Criteria 19 1	<u> </u>		Groundwa	ater is 51-100	1
IMIA	OCD Table .	L Closure (	DEVON EN			Groundwa	itel is 31-100	<u>,                                      </u>
Date: 9-18-2	Λ		DEVOIVE		oved Labora	stony Rocu	lte	
Date: 9-10-2			_					
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI
	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1	1'	0.0407	ND	25.2	8250	1440	9715.2407	3590
S1	2'	ND	ND	ND	683	268	951	29.8
	3'	ND	ND	ND	207	69.7	276.7	ND
	4'	ND	ND	ND	64.1	ND	64.1	ND
	1'	1.04	ND	47	11000	2450	13498.04	3650
S2	2'	ND	ND	ND	832	299	1131	29.1
	3'	ND	ND	ND	167	ND	167	ND
	4'	ND	ND	ND	85.4	ND	85.4	ND
1	1'	1.43	ND	72.3	17400	5510	22983.73	26
S3	2'	ND	ND	ND	695	271	966	30.9
33	3'	ND	ND	ND	197	71.3	268.3	ND
	4'	ND	ND	ND	56.8	ND	56.8	ND
	1'	0.0904	ND	51.4	9090	2610	11751.4904	197
S4	2'	ND	ND	ND	793	307	1100	30.3
	3'	ND	ND	ND	197	71.6	268.6	ND
	4'	ND	ND	ND	76.6	ND	76.6	ND
	1'	2.57	ND	50.8	11400	3270	14723.37	3030
S5	2'	ND	ND	ND	902	368	1270	32.4
	3'	ND	ND	ND	213	79.6	292.6	ND
	4'	ND	ND	ND	65.3	ND	65.3	ND
	1'	ND	ND	ND	844	389	1233	26.8
S6	2'	0.0519	ND	ND	970	417	1387.0519	34.6
30	3'	ND	ND	ND	288	117	405	ND
	4'	ND	ND	ND	50.8	ND	50.8	ND
SW1	0-4' comp	ND	ND	ND	ND	ND	ND	ND
SW2	0-4' comp	ND	ND	ND	ND	ND	ND	ND
SW3	0-4' comp	ND	ND	ND	ND	ND	ND	ND
SW4	0-4' comp	ND	ND	ND	ND	ND	ND	ND
SW5	0-4' comp	ND	ND	ND	ND	ND	ND	ND
SW6	0-4' comp	ND	ND	ND	ND	ND	ND	ND
BG1	1'	ND	ND	ND	ND	ND	ND	ND

9-18-2024 Soil Sample Results

ND- Analyte Not Detected

On October 8, 2024, the Devon Construction Department mobilized personnel and equipment to initiate immediate remediation activities. They began excavating the area to a depth of 1 foot below ground surface (BGS). A total of 17 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 October 15, 2024, after sending a 48-hour notification (application ID: 391796, 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 1 foot deep. The results of this sampling event are provided in the following table, and a confirmation sample map can be found in Figure 5.

10-15-24 Confirmation Sample Results

NM	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')							)
1000	DEVON ENERGY Thistle Unit #6							
Date: 10-15-24 NM Approved Laboratory Results							lts	
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	1' Bottom	ND	ND	ND	182	53	235	ND
CS2	1' Bottom	ND	ND	ND	363	112	475	ND
CS3	1' Bottom	ND	ND	ND	442	149	591	ND
CSW1	1' Comp	ND	ND	ND	173	62.9	235.9	ND
CSW2	1' Comp	ND	ND	ND	419	158	577	ND
CSW3	1' Comp	ND	ND	ND	287	116	403	ND
CSW4	1' Comp	ND	ND	ND	26.4	ND	26.4	ND
CSW5	1' Comp	ND	ND	ND	248	98.8	346.8	ND
CSW6	1' Comp	0.0517	ND	ND	197	75	272.0517	ND

ND- Analyte Not Detected

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, NAPP2406623089, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

**Project Manager** 

Gio Gomez

Pima Environmental Services, LLC

### Received by OCD: 10/22/2024 1:07:47 PM

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



#### **Attachments**

#### Figures:

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

#### Appendices:

Appendix A – Referenced Water Surveys

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

Appendix C – 48 Hour Notifications

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



# Figures:

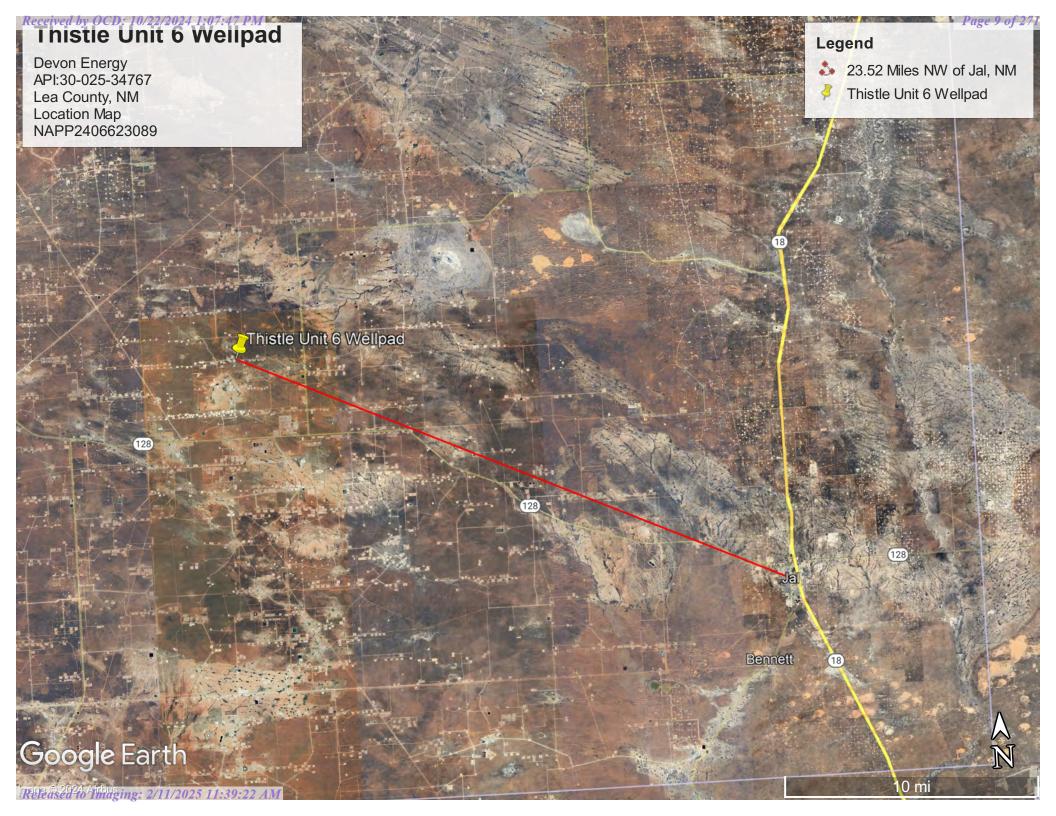
Figure 1- Location Map

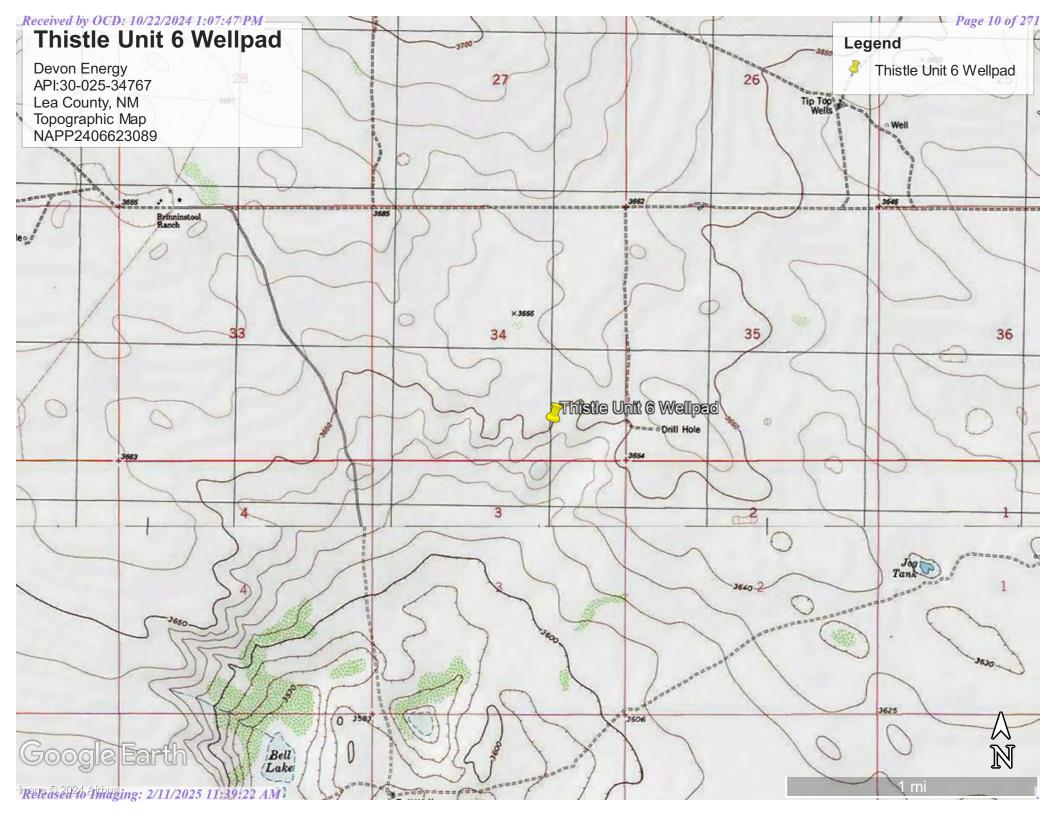
Figure 2- Topographic Map

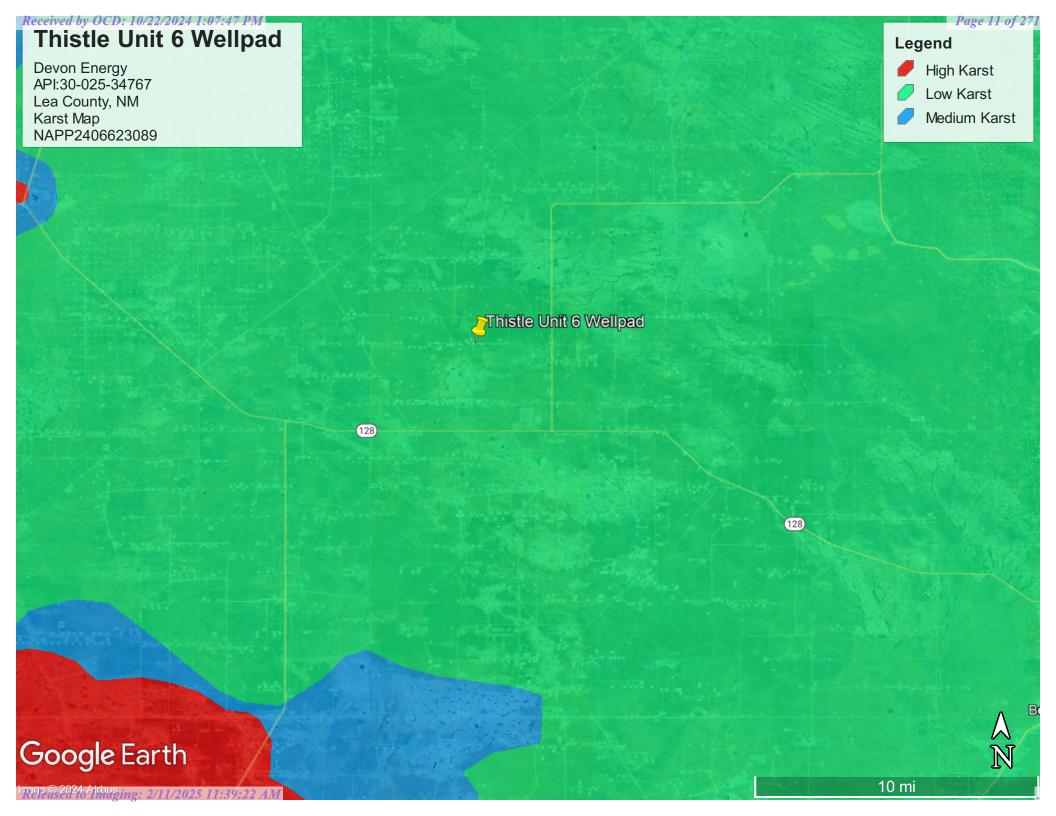
Figure 3- Karst Map

Figure 4- Site Map

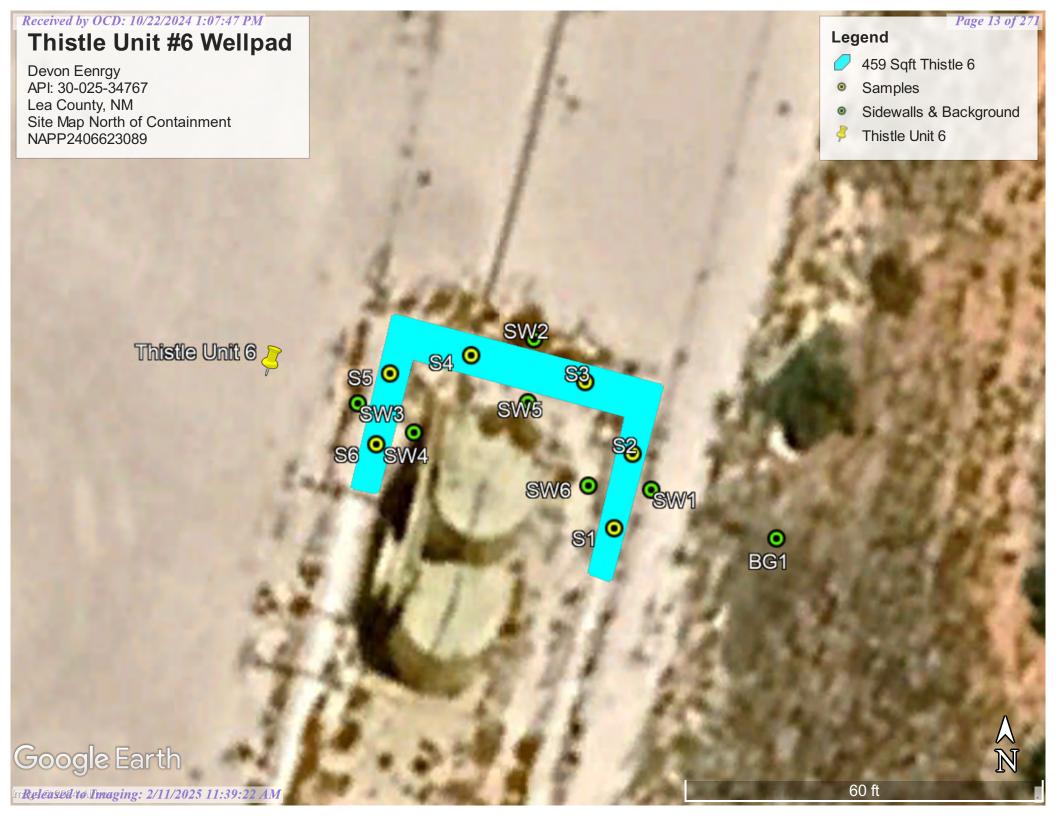
Figure 5- Confirmation Sample Map



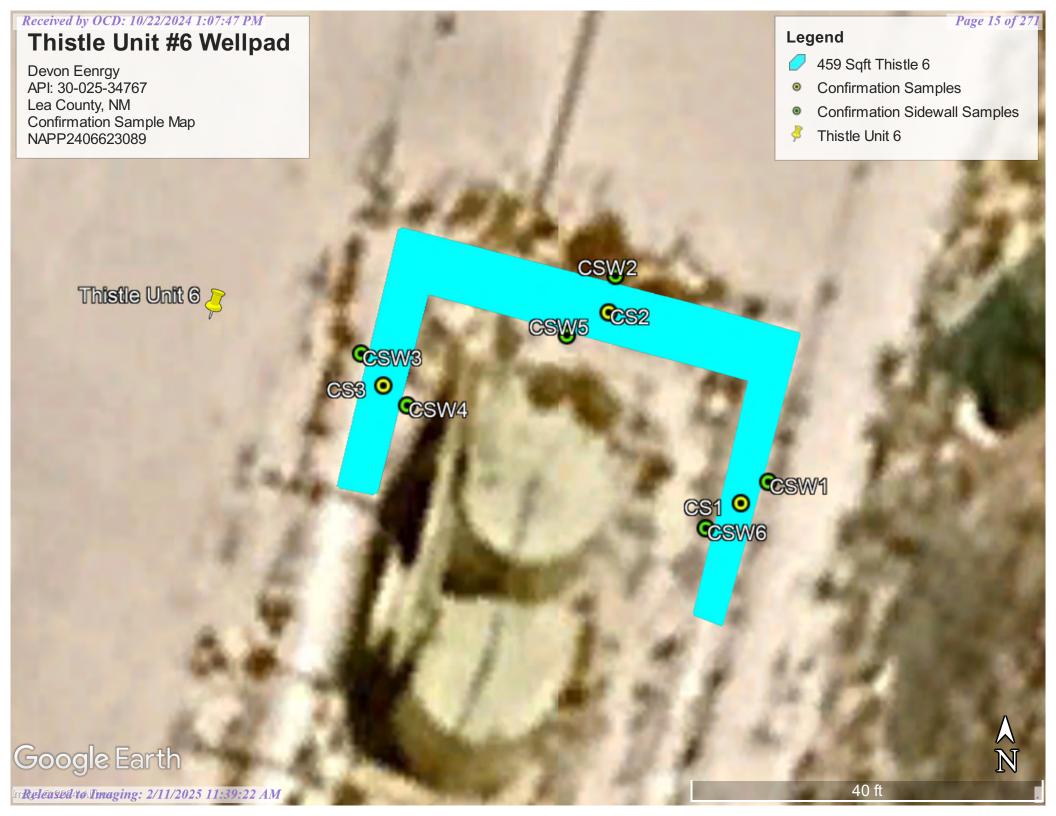














# Appendix A

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 Sub-		0	Q	0									Water
POD Number	Code		County	_	_	_	Sec	Tws	Rng	X	Y	DistanceDe	pthWellDe		
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		
<u>C 02281</u>		CUB	LE	3	4	4	28	23S	33E	634495	3571183*	2085	545	400	145
<u>C 02280</u>		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		
<u>C 02308</u>		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		
<u>C 02279</u>		CUB	LE	3	4	3	28	23S	33E	633691	3571173*	2705	650	400	250
<u>C 02278</u>		CUB	LE	3	4	2	28	23S	33E	634484	3571989*	2725	650	400	250
<u>C 02284</u>		CUB	LE	4	2	4	26	23S	33E	637907	3571626*	2743	325	225	100
<u>C 02283</u>		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
<u>C 02282</u>		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	
<u>C 02277</u>	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**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

Q64 Q16 Q4 Sec Tws Rng

C 04595 POD1 NA

23S 33E

Y

34

635150 3569564

**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:

**Estimated Yield:** 

**Pump Type:** 

**Pipe Discharge Size:** 

**Depth Water:** 

**Casing Size:** 

Depth Well:

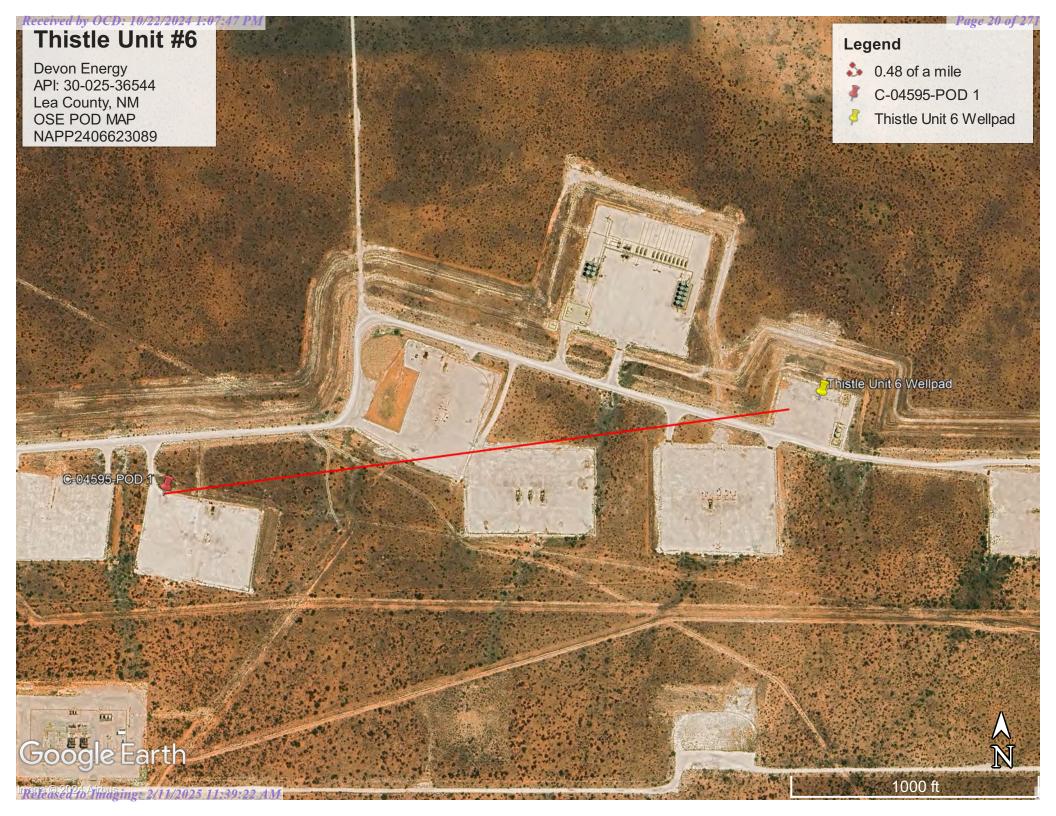
55 feet

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

Received by OCD: 10/22/2024 1:07:47 PM





USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS Water Resources	Data Category:	Geographic Area:		
bodo water resources	Groundwater ~	United States	<b>~</b>	GO

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water <u>data</u> from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

#### **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

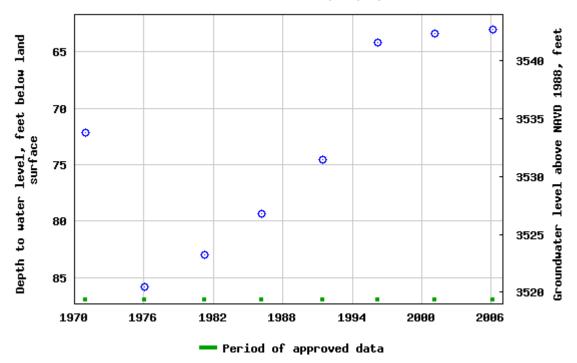
Available data for this site Groundwater: Field measurements GO

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 (N99990THER) national aquifer.
This well is completed in the Ogallala Formation (1210GLL) local aquifer.

#### **Output formats**

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

#### USGS 321403103300301 245,34E,07,22222



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

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

Accessibility

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U.S. Department of the Interior | U.S. Geological Survey

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

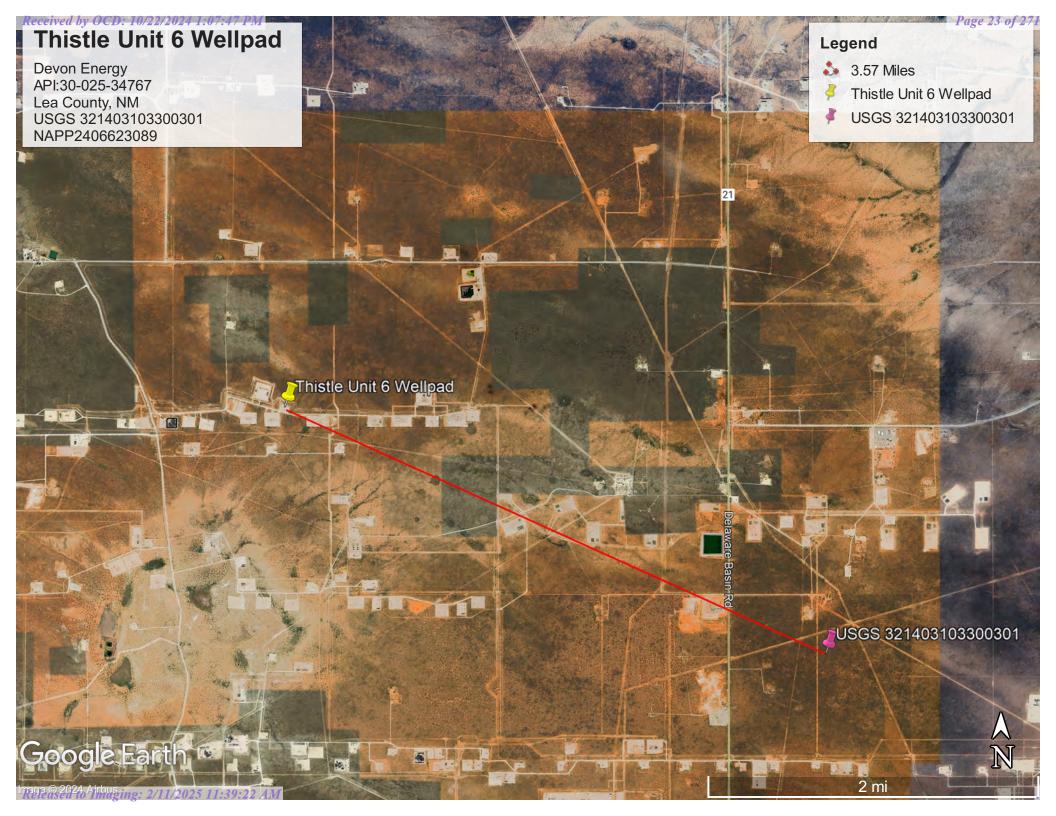
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

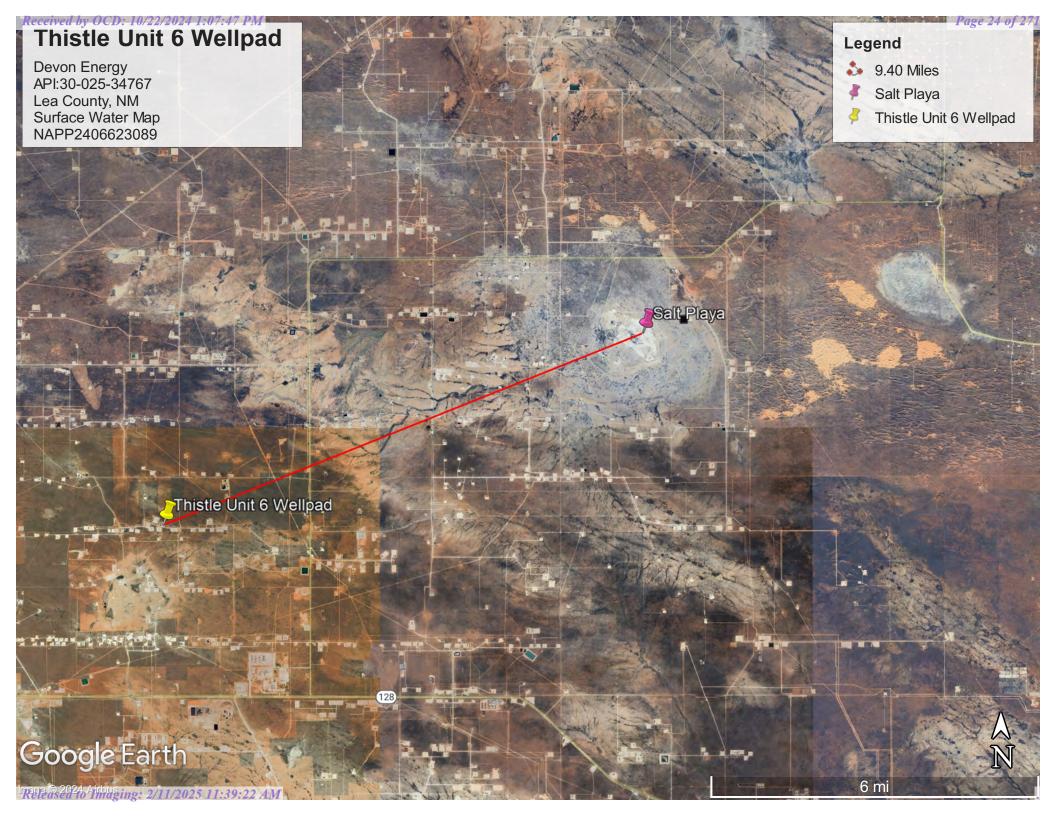
Page Contact Information: <u>USGS Water Data Support Team</u>

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

0.62 0.54 nadww01









# Appendix B

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

### 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)

#### 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

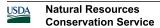
#### **Minor Components**

#### Maljamar

Percent of map unit: 6 percent

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

Hydric soil rating: No



#### **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

**Conservation Service** 



#### Soil Map—Lea County, New Mexico

#### 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

Other

Very Stony Spot

Spoil Area

Stony Spot

Wet Spot

Special Line Features

#### **Water Features**

Δ

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

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) |

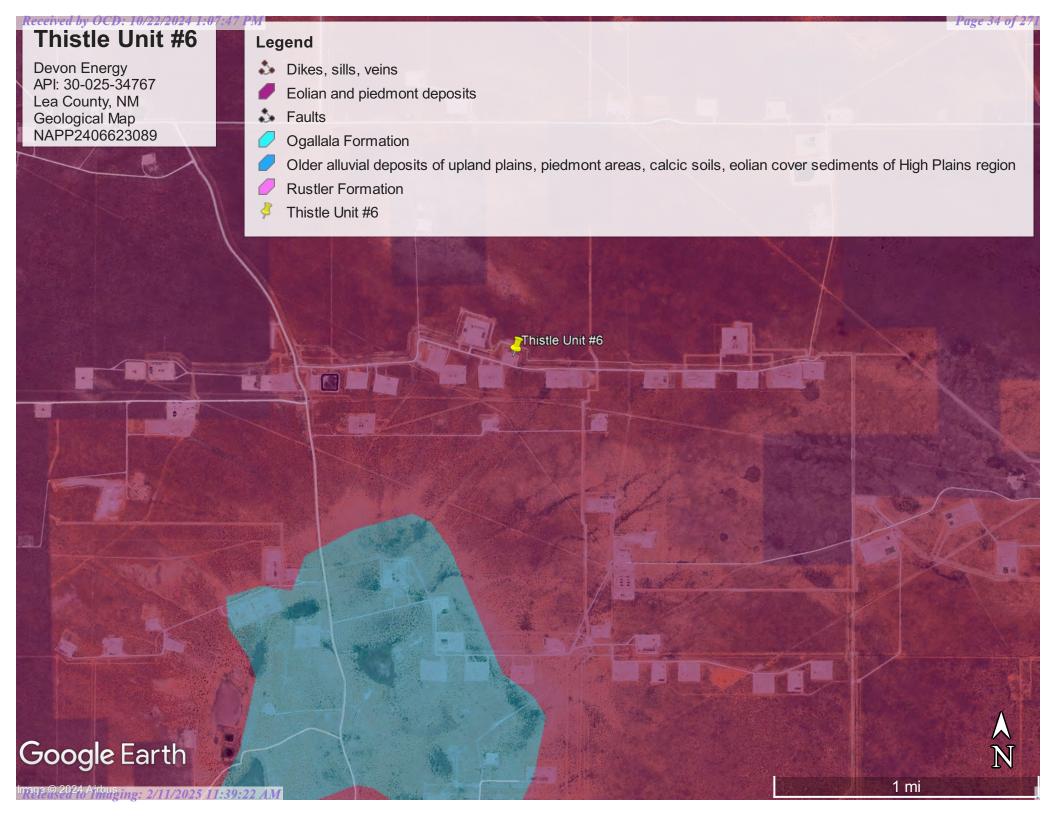
Accessibility (https://www2.usgs.gov/laws/accessibility.html) | Site Map (https://www.usgs.gov/sitemap.html) |

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

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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)



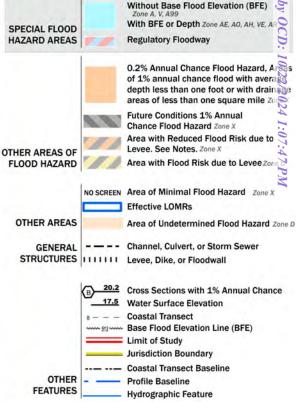
# National Flood Hazard Layer FIRMette





#### Legend

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



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

Digital Data Available No Digital Data Available

Unmapped

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

MAP PANELS

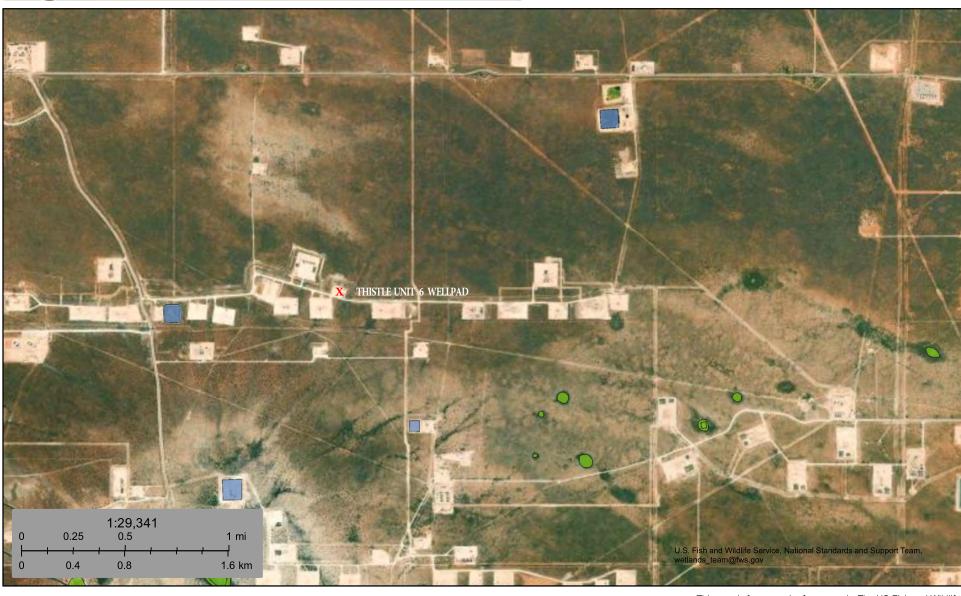
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/6/2024 at 11:12 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by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

### U.S. Fish and Wildlife Service

# **National Wetlands Inventory**

### Wetlands



March 6, 2024

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Lake

Other

Freshwater Forested/Shrub Wetland

Freshwater Pond



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 Notifications
- NMOCD Correspondence

### lynsey@pimaoil.com

From: Woodall, Dale <Dale.Woodall@dvn.com>

**Sent:** Thursday, July 11, 2024 1:17 PM

**To:** 'Gio PimaOil'; Tom Pima Oil; Delrae Pima Oil; Lynsey Pima Oil

**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application,

Application ID: 363338

Dale Woodall

**Environmental Professional** 

Hobbs, NM

Office: 575-748-1838 Mobile: 405-318-4697 <u>Dale.Woodall@dvn.com</u>

From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Thursday, July 11, 2024 1:16 PM

To: Woodall, Dale < Dale. Woodall@dvn.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 363338

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#) nAPP2406623089.

The sampling event is expected to take place:

When: 07/15/2024 @ 14:00

Where: O-34-23S-33E 620 FSL 1550 FEL (32.25555282,-103.5567415)

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

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

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

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

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 391796

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	391796
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406623089
Incident Name	NAPP2406623089 THISTLE UNIT 6 WELLPAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	THISTLE UNIT 6 WELLPAD
Date Release Discovered	03/05/2024
Surface Owner	State

Sampling Event General Information					
Please answer all the questions in this group.					
What is the sampling surface area in square feet	460				
What is the estimated number of samples that will be gathered	9				
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2024				
Time sampling will commence	08:00 AM				
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054				
Please provide any information necessary for navigation to sampling site	From the intersection of Delaware Basin Road and Shell Road, travel north on Delaware Basin Rd for 0.94 miles, turn west on lease road for 3.95 miles, turn south on lease road for 1.03 miles, turn east on lease road for 0.79 miles, continue into location.				

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

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CONDITIONS

Action 391796

#### CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	391796
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created	Condition	Condition Date
Ву		
wdale	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.	10/10/2024

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Tuesday, September 17, 2024 10:13 AM

To: Gio PimaOil

Cc: Tom Pima Oil; Delrae Pima Oil; Lynsey Pima Oil

**Subject:** RE: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,

Application ID: 373275

From: Gio PimaOil <gio@pimaoil.com>

**Sent:** Tuesday, September 17, 2024 10:11 AM **To:** Woodall, Dale < Dale. Woodall@dvn.com>

**Cc:** Tom Pima Oil <tom@pimaoil.com>; Delrae Pima Oil <delrae@pimaoil.com>; Lynsey Pima Oil <lynsey@pimaoil.com> **Subject:** Re: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 373275

This is the one I called you about, we are making the corrected actions to address the concerns

On Tue, Sep 17, 2024 at 10:06 AM Woodall, Dale < <a href="mailto:Dale.Woodall@dvn.com">Dale.Woodall@dvn.com</a>> wrote:

Another rejection by the OCD. See their comments and be mindful of their deadline. If we need to ask for an extension, request it closer to the date.

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:** Tuesday, September 17, 2024 10:01 AM **To:** Woodall, Dale < <u>Dale.Woodall@dvn.com</u>>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 373275

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2406623089, for the following reasons:

• Based on the remediation closure report, impacted soils in the areas north, east and possibly west of the northern most production tank have not been addressed. Devon has until December 16, 2024 to redress the remaining impact portions and submit its appropriate or final remediation closure report.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 373275.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Nelson Velez
Environmental Specialist - Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov

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

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

Pima Environmental Services, LLC.



### Appendix D

Photographic Documentation

# Page 45 of 271

#### PHOTOGRAPHIC DOCUMENTATION

### **SITE NAME: Thistle Unit #6**

#### **Assessment:**



Site information sign.



Photo taken of release that occurred Southeast of earthen containment while performing the assessment.



Photo taken of release that occurred Southeast of earthen containment while performing the assessment.



Photo taken of release that occurred Southeast of earthen containment while performing the assessment.





Photo taken of release that occurred Northeast of earthen containment while performing the assessment.



Photo taken of release that occurred Southeast of earthen containment while performing the assessment.



aerial photo of release by drone



aerial photo of release by drone





Photo taken of release that occurred Southeast of earthen containment while performing the assessment.



Photo taken of release that occurred Southeast of earthen containment while performing the assessment.



#### PHOTOGRAPHIC DOCUMENTATION

### SITE NAME: Thistle Unit 6

#### **Pre-Excavation: Northern side of Earthern Containment**



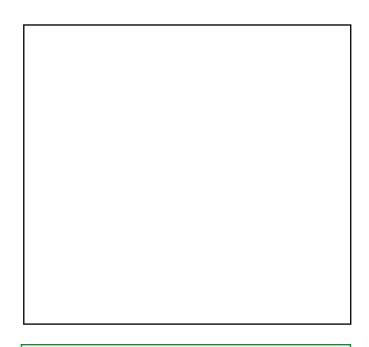
Photo taken prior to excavation, taken facing South.



Photo taken prior to excavation, taken facing South.



Photo taken prior to excavation , taken facing Northeast.





#### PHOTOGRAPHIC DOCUMENTATION

### **SITE NAME: Thistle Unit #6**

#### **Pre Excavation:**



Photo taken prior to excavation, taken facing South.



Photo taken prior to excavation, taken facing Northeast.



#### PHOTOGRAPHIC DOCUMENTATION

### **SITE NAME: Thistle Unit 6**

#### **Excavation:**



Photo documenting the excavation process, taken facing South.



Photo documenting the excavation process, taken facing South.



Photo documenting the excavation process, taken facing Northwest.



aerial photo taken of excavation site by drone



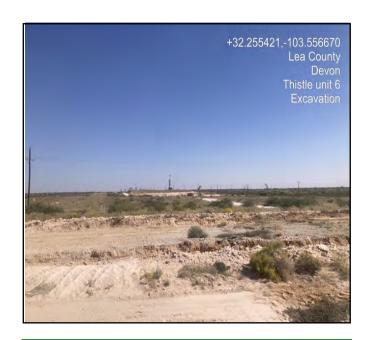


Photo showing the excavation completed .



Photo showing the excavation completed.



Photo showing the excavation completed.



Aerial photo taken of excavation site by drone



### Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





## envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6

Work Order: E403085

Job Number: 01058-0007

Received: 3/8/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/18/24

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: E403085

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/18/24 13:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E403085-01A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1 -2'	E403085-02A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1-3'	E403085-03A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1 -4'	E403085-04A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-1'	E403085-05A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-2'	E403085-06A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-3'	E403085-07A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-4'	E403085-08A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3-1'	E403085-09A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3-2'	E403085-10A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3-3'	E403085-11A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S3-4'	E403085-12A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4-1'	E403085-13A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4-2'	E403085-14A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4-3'	E403085-15A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S4-4'	E403085-16A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S5-1'	E403085-17A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S5-2'	E403085-18A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S5-3'	E403085-19A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S5-4'	E403085-20A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S6-1'	E403085-21A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S6-2'	E403085-22A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S6-3'	E403085-23A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S-4'	E403085-24A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW1	E403085-25A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW2	E403085-26A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW3	E403085-27A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW4	E403085-28A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW5	E403085-29A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW6	E403085-30A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
BG1	E403085-31A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S5 -5'	E403085-32A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S6 -5'	E403085-33A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.



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	3/18/2024 1:59:37PM

### S1-1' E403085-01

		E403085-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		96.3 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2411058
Chloride	86.4	20.0	1	03/12/24	03/16/24	

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	3/18/2024 1:59:37PM

### S1 -2'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		92.0 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2411058



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	3/18/2024 1:59:37PM

### S1-3'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	42.8	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		101 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2411058
Chloride	35.7	20.0	1	03/12/24	03/16/24	•



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	3/18/2024 1:59:37PM

### S1 -4'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		102 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411058
Chloride	ND	20.0	1	03/12/24	03/16/24	·



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	3/18/2024 1:59:37PM

### S2-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Benzene	ND	0.125	5	03/10/24	03/16/24	
Ethylbenzene	14.6	0.125	5	03/10/24	03/16/24	
Toluene	8.64	0.125	5	03/10/24	03/16/24	
o-Xylene	19.4	0.125	5	03/10/24	03/16/24	
p,m-Xylene	43.0	0.250	5	03/10/24	03/16/24	
Total Xylenes	62.5	0.125	5	03/10/24	03/16/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	427	100	5	03/10/24	03/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	19900	50.0	2	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	5350	100	2	03/11/24	03/12/24	
Surrogate: n-Nonane		444 %	50-200	03/11/24	03/12/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2411058
Chloride	3380	40.0	2	03/12/24	03/16/24	



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	3/18/2024 1:59:37PM

S2-2'

		2.00000				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: BA	7 mary zea	Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	113	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		98.3 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2411058
Chloride	1520	20.0	1	03/12/24	03/16/24	



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	3/18/2024 1:59:37PM

S2-3'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	0.195	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	0.392	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	0.864	0.0500	1	03/10/24	03/14/24	
Total Xylenes	1.26	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	25.2	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	695	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	212	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		106 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2411058
· · · · · · · · · · · · · · · · · · ·	364	20.0	-	03/12/24	03/16/24	•



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	3/18/2024 1:59:37PM

### S2-4'

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2411001
ND	0.0250	1	03/10/24	03/14/24	
0.103	0.0250	1	03/10/24	03/14/24	
ND	0.0250	1	03/10/24	03/14/24	
0.208	0.0250	1	03/10/24	03/14/24	
0.439	0.0500	1	03/10/24	03/14/24	
0.648	0.0250	1	03/10/24	03/14/24	
	108 %	70-130	03/10/24	03/14/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2411001
ND	20.0	1	03/10/24	03/14/24	
	88.6 %	70-130	03/10/24	03/14/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2411017
470	25.0	1	03/11/24	03/12/24	_
149	50.0	1	03/11/24	03/12/24	
	105 %	50-200	03/11/24	03/12/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2411058
8 8					
	mg/kg ND 0.103 ND 0.208 0.439 0.648  mg/kg ND  mg/kg 149	mg/kg         mg/kg           ND         0.0250           0.103         0.0250           ND         0.0250           0.208         0.0250           0.439         0.0500           0.648         0.0250           108 %           mg/kg         mg/kg           ND         20.0           88.6 %         mg/kg           470         25.0           149         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           0.103         0.0250         1           ND         0.0250         1           0.208         0.0250         1           0.439         0.0500         1           0.648         0.0250         1           mg/kg         mg/kg         Analy           ND         20.0         1           88.6 %         70-130           mg/kg         mg/kg         Analy           470         25.0         1           149         50.0         1           105 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24           0.103         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           0.208         0.0250         1         03/10/24           0.439         0.0500         1         03/10/24           0.648         0.0250         1         03/10/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24           mg/kg         mg/kg         Analyst: KM           470         25.0         1         03/11/24           149         50.0         1         03/11/24           105 %         50-200         03/11/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24         03/14/24           0.103         0.0250         1         03/10/24         03/14/24           ND         0.0250         1         03/10/24         03/14/24           0.208         0.0250         1         03/10/24         03/14/24           0.439         0.0500         1         03/10/24         03/14/24           0.648         0.0250         1         03/10/24         03/14/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24         03/14/24           88.6 %         70-130         03/10/24         03/14/24           mg/kg         mg/kg         Analyst: KM           470         25.0         1         03/11/24         03/12/24           149         50.0         1         03/11/24         03/12/24           105 %         50-200         03/11/24         03/12/24



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	3/18/2024 1:59:37PM

### S3-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		100 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2411058
Chloride	83.8	20.0	1	03/12/24	03/16/24	



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	3/18/2024 1:59:37PM

S3-2'

	185.	

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
o,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		115 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2411058
Chloride	84.6	20.0	1	03/12/24	03/16/24	



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### S3-3'

Reporting						
Result	Limit	Dilution	n Prepared	Analyzed	Notes	
mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411001	
ND	0.0250	1	03/10/24	03/14/24		
ND	0.0250	1	03/10/24	03/14/24		
ND	0.0250	1	03/10/24	03/14/24		
ND	0.0250	1	03/10/24	03/14/24		
ND	0.0500	1	03/10/24	03/14/24		
ND	0.0250	1	03/10/24	03/14/24		
	99.6 %	70-130	03/10/24	03/14/24		
mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411001	
ND	20.0	1	03/10/24	03/14/24		
	87.7 %	70-130	03/10/24	03/14/24		
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2411017	
ND	25.0	1	03/11/24	03/12/24		
ND	50.0	1	03/11/24	03/12/24		
	102 %	50-200	03/11/24	03/12/24		
	ma/ka	Ans	alvet: IV		Batch: 2411058	
mg/kg	mg/kg	7 1110	11 y St. 11		Datell. 2411036	
	mg/kg ND Mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           ND         20.0           87.7 %         mg/kg           ND         25.0           ND         50.0           102 %	Result         Limit         Dilution           mg/kg         mg/kg         And           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           MD         20.0         1           87.7 %         70-130           mg/kg         mg/kg         And           ND         25.0         1           ND         50.0         1           102 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0500         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         03/11/24           ND         25.0         1         03/11/24           ND         50.0         1         03/11/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24         03/14/24           ND         0.0500         1         03/10/24         03/14/24           ND         0.0250         1         03/10/24         03/14/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24         03/14/24           87.7 %         70-130         03/10/24         03/14/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         03/11/24         03/12/24           ND         25.0         1         03/11/24         03/12/24           ND         50.0         1         03/11/24         03/12/24           ND         50.0         1         03/11/24         03/12/24	



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S3-4'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		98.9 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411058
Chloride	ND	20.0	1	03/12/24	03/16/24	



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### S4-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2411001
Benzene	ND	0.0500	2	03/10/24	03/16/24	
Ethylbenzene	9.43	0.0500	2	03/10/24	03/16/24	
Toluene	6.77	0.0500	2	03/10/24	03/16/24	
o-Xylene	12.5	0.0500	2	03/10/24	03/16/24	
p,m-Xylene	27.7	0.100	2	03/10/24	03/16/24	
Total Xylenes	40.2	0.0500	2	03/10/24	03/16/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	261	40.0	2	03/10/24	03/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	14600	125	5	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	4300	250	5	03/11/24	03/12/24	
Surrogate: n-Nonane		357 %	50-200	03/11/24	03/12/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2411058



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### S4-2'

E40	30	185	_14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: BA		Batch: 2411001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Ana	ılyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		102 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2411058



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### S4-3'

E40	20	105	15
H.41	11	ראו	-17

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	0.173	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	0.354	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	0.767	0.0500	1	03/10/24	03/14/24	
Total Xylenes	1.12	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	21.8	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	870	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	272	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		105 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2411058



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### S4-4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	0.109	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	0.217	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	0.455	0.0500	1	03/10/24	03/14/24	
Total Xylenes	0.673	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	517	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	161	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		102 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2411058
Chloride	245	20.0	1	03/12/24	03/16/24	_



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### S5-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2411001
Benzene	ND	0.250	10	03/10/24	03/16/24	
Ethylbenzene	20.0	0.250	10	03/10/24	03/16/24	
Toluene	11.7	0.250	10	03/10/24	03/16/24	
o-Xylene	26.9	0.250	10	03/10/24	03/16/24	
p,m-Xylene	59.1	0.500	10	03/10/24	03/16/24	
Total Xylenes	86.0	0.250	10	03/10/24	03/16/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	652	200	10	03/10/24	03/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	22300	125	5	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	6970	250	5	03/11/24	03/12/24	
Surrogate: n-Nonane		519 %	50-200	03/11/24	03/12/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2411058
Chloride	3490	40.0	2	03/12/24	03/16/24	



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S5-2'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	1.01	0.0250	1	03/10/24	03/14/24	
Toluene	0.0977	0.0250	1	03/10/24	03/14/24	
o-Xylene	1.92	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	3.95	0.0500	1	03/10/24	03/14/24	
Total Xylenes	5.87	0.0250	1	03/10/24	03/14/24	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	78.5	20.0	1	03/10/24	03/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	2270	50.0	2	03/11/24	03/14/24	
Oil Range Organics (C28-C36)	728	100	2	03/11/24	03/14/24	
Surrogate: n-Nonane		119 %	50-200	03/11/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411058
Chloride	3130	40.0	2	03/12/24	03/16/24	



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S5-3'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/15/24	
Ethylbenzene	0.0856	0.0250	1	03/10/24	03/15/24	
Toluene	ND	0.0250	1	03/10/24	03/15/24	
o-Xylene	0.192	0.0250	1	03/10/24	03/15/24	
p,m-Xylene	0.374	0.0500	1	03/10/24	03/15/24	
Total Xylenes	0.565	0.0250	1	03/10/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	03/10/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	03/10/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	656	25.0	1	03/11/24	03/14/24	
Oil Range Organics (C28-C36)	232	50.0	1	03/11/24	03/14/24	
Surrogate: n-Nonane		107 %	50-200	03/11/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411058
	343	20.0		03/12/24	03/16/24	



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### S5-4'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Benzene	ND	0.0250	1	03/10/24	03/15/24	
Ethylbenzene	0.175	0.0250	1	03/10/24	03/15/24	
Toluene	0.0487	0.0250	1	03/10/24	03/15/24	
o-Xylene	0.247	0.0250	1	03/10/24	03/15/24	
p,m-Xylene	0.565	0.0500	1	03/10/24	03/15/24	
Total Xylenes	0.812	0.0250	1	03/10/24	03/15/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	03/10/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	03/10/24	03/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2411017
Diesel Range Organics (C10-C28)	400	25.0	1	03/11/24	03/14/24	
Oil Range Organics (C28-C36)	137	50.0	1	03/11/24	03/14/24	
Surrogate: n-Nonane		102 %	50-200	03/11/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2411058
	248	20.0	1	03/12/24	03/16/24	



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### S6-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2411005
Benzene	ND	0.125	5	03/10/24	03/16/24	
Ethylbenzene	6.67	0.125	5	03/10/24	03/16/24	
Toluene	4.36	0.125	5	03/10/24	03/16/24	
o-Xylene	9.08	0.125	5	03/10/24	03/16/24	
p,m-Xylene	19.6	0.250	5	03/10/24	03/16/24	
Total Xylenes	28.7	0.125	5	03/10/24	03/16/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	167	100	5	03/10/24	03/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	03/10/24	03/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	18200	500	20	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	5540	1000	20	03/09/24	03/14/24	
Surrogate: n-Nonane		406 %	50-200	03/09/24	03/14/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2411085
Chloride	3710	40.0	2	03/13/24	03/16/24	



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S6-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2411005
Benzene	ND	0.0500	2	03/10/24	03/18/24	
Ethylbenzene	3.87	0.0500	2	03/10/24	03/18/24	
Toluene	2.91	0.0500	2	03/10/24	03/18/24	
o-Xylene	5.07	0.0500	2	03/10/24	03/18/24	
p,m-Xylene	11.0	0.100	2	03/10/24	03/18/24	
Total Xylenes	16.1	0.0500	2	03/10/24	03/18/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	03/10/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	91.2	40.0	2	03/10/24	03/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	03/10/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	15500	500	20	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	5980	1000	20	03/09/24	03/14/24	
Surrogate: n-Nonane		315 %	50-200	03/09/24	03/14/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2411085
Chloride	2970	40.0	2	03/13/24	03/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
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### S6-3'

		Domontino				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	0.104	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	0.224	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	0.470	0.0500	1	03/10/24	03/13/24	
Total Xylenes	0.694	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	594	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	209	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		105 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2411085
Chloride	334	20.0	1	03/13/24	03/16/24	



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S-4'

		D				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		nalyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	0.0742	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	0.114	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	0.265	0.0500	1	03/10/24	03/13/24	
Total Xylenes	0.379	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	160	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	52.1	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		95.1 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2411085
Chloride	172	20.0	-	03/13/24	03/16/24	



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### SW1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		107 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2411085
Chloride	ND	20.0	1	03/13/24	03/16/24	<del></del>



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### SW2

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411005
ND	0.0250	1	03/10/24	03/13/24	
ND	0.0250	1	03/10/24	03/13/24	
ND	0.0250	1	03/10/24	03/13/24	
ND	0.0250	1	03/10/24	03/13/24	
ND	0.0500	1	03/10/24	03/13/24	
ND	0.0250	1	03/10/24	03/13/24	
	98.4 %	70-130	03/10/24	03/13/24	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2411005
ND	20.0	1	03/10/24	03/13/24	
	87.9 %	70-130	03/10/24	03/13/24	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2410150
ND	25.0	1	03/09/24	03/14/24	
ND	50.0	1	03/09/24	03/14/24	
	110 %	50-200	03/09/24	03/14/24	
		A	ılyst: DT		Batch: 2411085
mg/kg	mg/kg	Ana	nyst: D1		Batch: 2411083
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           98.4 %           mg/kg         mg/kg           ND         20.0           87.9 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Ana           ND         20.0         1           87.9 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0250         1         03/10/24           ND         0.0500         1         03/10/24           ND         0.0250         1         03/10/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         03/09/24           ND         50.0         1         03/09/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/10/24         03/13/24           ND         0.0250         1         03/10/24         03/13/24           ND         0.0250         1         03/10/24         03/13/24           ND         0.0500         1         03/10/24         03/13/24           ND         0.0250         1         03/10/24         03/13/24           ND         0.0250         1         03/10/24         03/13/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/10/24         03/13/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         03/09/24         03/14/24           ND         25.0         1         03/09/24         03/14/24           ND         50.0         1         03/09/24         03/14/24



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### SW3

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		96.3 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2411085
Chloride	ND	20.0	1	03/13/24	03/16/24	



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### SW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		107 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2411085
Chloride	ND	20.0	1	03/13/24	03/16/24	



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### SW5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		108 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2411085



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### SW6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		106 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2411085
Chloride	ND	20.0	1	03/13/24	03/16/24	



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### BG1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	ND	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/13/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		109 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2411084
Chloride	ND	20.0	1	03/13/24	03/13/24	



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S5 -5'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	0.0887	0.0250	1	03/10/24	03/13/24	
Toluene	0.0267	0.0250	1	03/10/24	03/13/24	
o-Xylene	0.121	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	0.290	0.0500	1	03/10/24	03/13/24	
Total Xylenes	0.411	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	253	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	70.4	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		106 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2411084
Chloride	94.0	20.0	1	03/13/24	03/13/24	



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S6 -5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: BA		Batch: 2411005
Benzene	ND	0.0250	1	03/10/24	03/13/24	
Ethylbenzene	0.0820	0.0250	1	03/10/24	03/13/24	
Toluene	ND	0.0250	1	03/10/24	03/13/24	
o-Xylene	0.132	0.0250	1	03/10/24	03/13/24	
p,m-Xylene	0.306	0.0500	1	03/10/24	03/13/24	
Total Xylenes	0.438	0.0250	1	03/10/24	03/13/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2411005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	03/10/24	03/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2410150
Diesel Range Organics (C10-C28)	356	25.0	1	03/09/24	03/14/24	
Oil Range Organics (C28-C36)	117	50.0	1	03/09/24	03/14/24	
Surrogate: n-Nonane		108 %	50-200	03/09/24	03/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2411084
Chloride	105	20.0	1	03/13/24	03/13/24	



Surrogate: 4-Bromochlorobenzene-PID

# **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 1:59:37PM

PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager		058-0007 om Bynum				3/	18/2024 1:59:37PM	
Volatile Organics by EPA 8021B  Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2411001-BLK1)						]	Prepared: 0	3/10/24 Ana	lyzed: 03/13/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130				
LCS (2411001-BS1)						1	Prepared: 0	3/10/24 Ana	lyzed: 03/13/24	
Benzene	5.62	0.0250	5.00		112	70-130				
Ethylbenzene	5.44	0.0250	5.00		109	70-130				
Toluene	5.60	0.0250	5.00		112	70-130				
o-Xylene	5.53	0.0250	5.00		111	70-130				
o,m-Xylene	11.1	0.0500	10.0		111	70-130				
Total Xylenes	16.6	0.0250	15.0		111	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130				
LCS Dup (2411001-BSD1)						]	Prepared: 0	3/10/24 Ana	lyzed: 03/13/24	
Benzene	4.93	0.0250	5.00		98.6	70-130	13.2	20		
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130	12.5	20		
Toluene	4.92	0.0250	5.00		98.5	70-130	12.9	20		
o-Xylene	4.88	0.0250	5.00		97.6	70-130	12.6	20		
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130	12.2	20		
Total Xylenes	14.7	0.0250	15.0		97.9	70-130	12.3	20		



Surrogate: 4-Bromochlorobenzene-PID

## **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 1:59:37PM

Plains TX, 79355-0247		Project Number: Project Manager:		om Bynum				3/	/18/2024 1:59:37PM	
Volatile Organics by EPA 8021B  Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2411005-BLK1)							Prepared: 0	3/10/24 Ana	alyzed: 03/13/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130				
LCS (2411005-BS1)							Prepared: 0	3/10/24 Ana	lyzed: 03/13/24	
Benzene	4.96	0.0250	5.00		99.2	70-130				
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130				
Toluene	4.94	0.0250	5.00		98.8	70-130				
o-Xylene	4.87	0.0250	5.00		97.5	70-130				
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130				
Total Xylenes	14.7	0.0250	15.0		97.9	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130				
LCS Dup (2411005-BSD1)							Prepared: 0	3/10/24 Ana	lyzed: 03/13/24	
Benzene	5.01	0.0250	5.00		100	70-130	1.12	20		
Ethylbenzene	4.86	0.0250	5.00		97.2	70-130	1.20	20		
Toluene	5.00	0.0250	5.00		99.9	70-130	1.11	20		
o-Xylene	4.93	0.0250	5.00		98.7	70-130	1.23	20		
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130	1.32	20		
Total Xylenes	14.9	0.0250	15.0		99.2	70-130	1.29	20		

70-130



## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle Unit 6 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 1:59:37PM

Plains TX, 79355-0247		Project Manager		m Bynum					3/18/2024 1:59:37PM	
Nonhalogenated Organics by EPA 8015D - GRO Ar										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
N. 1 (2411001 N. 1/1)										
Blank (2411001-BLK1)							Prepared: 0.	3/10/24	Analyzed: 03/13/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130				
LCS (2411001-BS2)							Prepared: 0	3/10/24	Analyzed: 03/14/24	
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130				
LCS Dup (2411001-BSD2)							Prepared: 0	3/10/24	Analyzed: 03/14/24	
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.7	70-130	7.97	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130				

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle Unit 6 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 1:59:37PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					3/18/2024 1:59:37PM		
	Nonhalogenated Organics by EPA 8015D - GRO										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2411005-BLK1)							Prepared: 03	3/10/24	Analyzed: 03/13/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130					
LCS (2411005-BS2)							Prepared: 0	3/10/24	Analyzed: 03/13/24		
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.6	70-130					
LCS Dup (2411005-BSD2)							Prepared: 0	3/10/24	Analyzed: 03/13/24		
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130	0.248	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130					

Surrogate: n-Nonane

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum3/18/20241:59:37PM

Plains 1X, /9355-024/		Project Manager	r: 10	m Bynum				3,	/18/2024 1:59:5/PN		
	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 (2410150-BLK1)							Prepared: 0	3/09/24 Ana	alyzed: 03/14/24		
Diesel Range Organics (C10-C28)	ND	25.0									
il Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	52.0		50.0		104	50-200					
LCS (2410150-BS1)							Prepared: 0	3/09/24 Ana	alyzed: 03/14/24		
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132					
urrogate: n-Nonane	51.3		50.0		103	50-200					
LCS Dup (2410150-BSD1)							Prepared: 0	3/09/24 Ana	alyzed: 03/14/24		
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	0.149	20			

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 1:59:37PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum				3/	/18/2024 1:59:37PI			
	Nonhal	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO		Analyst: KM				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2411017-BLK1)							Prepared: 0	3/11/24 Ana	alyzed: 03/12/24			
Diesel Range Organics (C10-C28)	ND	25.0										
Dil Range Organics (C28-C36)	ND	50.0										
Surrogate: n-Nonane	51.7		50.0		103	50-200						
LCS (2411017-BS1)							Prepared: 0	3/11/24 Ana	alyzed: 03/12/24			
Diesel Range Organics (C10-C28)	256	25.0	250		103	38-132						
Surrogate: n-Nonane	50.3		50.0		101	50-200						
LCS Dup (2411017-BSD1)							Prepared: 0	3/11/24 Ana	alyzed: 03/12/24			
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132	2.23	20				
Surrogate: n-Nonane	49.4		50.0		98.8	50-200						

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle Unit 6 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 1:59:37PM

Anions by EPA 300.0/9056A Analyst: IY									Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2411058-BLK1)							Prepared: 0	3/12/24 Ana	lyzed: 03/16/24
Chloride	ND	20.0							
LCS (2411058-BS1)							Prepared: 0	3/12/24 Ana	lyzed: 03/16/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2411058-MS1)				Source:	E403085-	15	Prepared: 0	3/12/24 Ana	lyzed: 03/16/24
Chloride	619	20.0	250	358	105	80-120			
Matrix Spike Dup (2411058-MSD1)				Source:	E403085-	15	Prepared: 0	3/12/24 Ana	lyzed: 03/16/24
Chloride	623	20.0	250	358	106	80-120	0.517	20	



Chloride

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle Unit 6 01058-0007	Reported:					
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/18/2024 1:59:37PM					

		Anions	by EPA 3	<b>00.0/9056</b> A		Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411084-BLK1)							Prepared: 0	3/13/24 A	analyzed: 03/13/24
Chloride	ND	20.0							
LCS (2411084-BS1)							Prepared: 0	3/13/24 A	analyzed: 03/13/24
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2411084-MS1)				Source:	E403117-0	)2	Prepared: 0	3/13/24 A	analyzed: 03/13/24
Chloride	246	200	250	ND	98.3	80-120			
Matrix Snike Dun (2411084-MSD1)				Source:	E403117-0	)2	Prepared: 0	3/13/24 A	nalvzed: 03/13/24

250

98.6

80-120

0.252

200



Chloride

Chloride

Matrix Spike Dup (2411085-MSD1)

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	[	Project Name: Project Number:		058-0007					Reported:
Plains TX, 79355-0247		Project Manager	: То	om Bynum				:	3/18/2024 1:59:37PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	1				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2411085-BLK1)							Prepared: 0	3/13/24 Ar	nalyzed: 03/16/24
Chloride	ND	20.0							
LCS (2411085-BS1)							Prepared: 0	3/13/24 Ar	nalyzed: 03/16/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2411085-MS1)				Source:	E403084-	24	Prepared: 0	3/13/24 Ar	nalyzed: 03/16/24

250

250

20.0

20.0

ND

ND

103

102

Source: E403084-24

80-120

80-120

0.999

Prepared: 03/13/24 Analyzed: 03/16/24

20

257

255

#### 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 13:59

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	
	٠.	castoay	

	1 11
Page	of T

Client: Pir				ces	D (BIII To						e Or	ily				TA	T	EPA P	rogram
Project: 7					Attention: Devion		Lab	WOH	08	۲	Job	Number	,	1D	2D	3D	Standard	CWA	SDWA
Address:					City, State, Zip		E4	U.2	NO.		Anal	53-000 7	thod				4		RCRA
City, State					Phone:						Allaly	SIS allu IVIE	T			П			HCKA
Phone: 5					Email:		215	315					- 1				and it is till at	State	
Email: to Report du		naoil.cor	n		Pima Project # 174-Z		O by 80	O by 80	8021	3260	010	300.0		NM	ř.		NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
12:30	316	5		51-1'		1							,	X					
12:37	(			51-2'		2													
12:44		V-1		S1-3'		3													
12:47				51-4'		4													
12:58				52-11		5													
1:07				SZ-Z'		6								1					-
1:18				Sz-3'		7								1					
1:25				Sz-4'		8								T					
1:29				53-1'		9								1					
1:33	1			53-Z1		10								1					
Additiona	al Instruc	tions:			B# 2130909														
				ticity of this sample. may be grounds for I	I am aware that tampering with or intentionally mislab egal action. Sampled by:	elling the sampl	e locatio	on,									eived on ice the day °C on subsequent da		ed or received
Relinguishe	ne ,	Adam	Date	17/24 17	:45 Received by: (Signature)	37.	24	Time	45		Rec	eived on ic	e:	-	D US	se Onl	у		
Relinquishe	elle	(Ca)	l Date	7-24 Time	Received by: (Signature)	Date		Time			T1			TZ			T3		
Relinquishe	d by: (Sign	Huss.	Date C	5.7.24 Z	Received by: (Signature)	368		Timo	15	-	AVG	i Temp °C_	4				-72		
Sample Matr	ix: S - Soil, S	d - Solid, Sg	- Sludge, A - A	Aqueous, O - Other _	este de la companya d	Containe	r Type	: g - 1	glass,	<b>p</b> - p	oly/p	lastic, ag - a	mber	glas	s, v -	VOA			
Note: Samp	oles are dis	carded 30 o	days after re se samples	esults are reported received by the lab	unless other arrangements are made. Hazardou	s samples wil	be ret	urnec	to clie	ent o	dispo	sed of at the	client	t exp	ense.	The re	port for the ana	lysis of the	above



	7.00 387 500			⇒ Bill To				la	hUs	e Only	V		1		TA	T	EPA P	rogram
Client: Pima Er	vironmen	tal Servi	ces	Attention: De Von		Lah	WO#			Job N		er	1D	2D	3D	Standard	CWA	SDWA
Project: This Project Manage	Cia Ca	<u></u>		Address:		F 4	02	OF	35			0007				Y		
Address: 5614				City, State, Zip		-	-	700		Analys	is an	d Metho	od			1		RCRA
City, State, Zip				Phone:														
Phone: 806-78		VI. 00240		Email:		15	15										State	
Email: gio@p		n		II - I		v 80	v 80	п	0		0.0		ΣN			NM CO	UT AZ	TX
Report due by:	illaoillaoil			Pima Project # 174-2		0 do	30 b	/ 802	826	6010	e 30			7		X	Remarks	
Time Date	3.46	No. of	S	-	Lab	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
Sampled Sample	d Matrix	Containers	Sample ID		Number	R R	g.	ВТ	>	ž	ភ			8	-			
1:41 316	5		53-3'		11								X					
1:48	1		53- 4'		12													
1:55			S4-1'		13								1					
7:03			S4-Z'		14								$\perp$					
2:17			54- 3'		15													
2:15			S4- 41		16													
2:19			S5-1		17													
7:21			55-Z'		18													
2:30			55-3'		19													
2:36			55-4		20													
Additional Inst	ructions:	-		) H 2126610														
				3# 2130909		1-1	et a m		-	Sampl	es reou	iring therm	nal prese	rvation	must be r	eceived on ice the d	ay they are sam	pled or received
				I am aware that tampering with or intentionally mis	siabelling the samp	ole loca	Lion,			packe	d in ice	at an avg t	emp abo	ve 0 but	t less than	6 °C on subsequent	days.	
		red fraud and	may be grounds for	legal action. Sampled by:  Received by: (Signature)	Date		Time	9						Lab	Use O	nly		
Relinquished by: (	WO KI	2	17/24 1	:95 miglie Cup	3-7-	24	Time	34	2	Rec	eive	d on ice	e:	(V)	N			
Relinquished by: (	signature)	2 3	-7-24 W	Received by: (Signature)	3.7	.20	1	66	10	T1			_ T	2	-	<u>T3</u>		
Relinquished by: ( Relinquished by: (	HOB!	Da C	te Time	Received by: (Signature)	3/8	3/24	-10	6019	5	AVO	G Te	mp °C_	4					
(Anarew	0 100	- 1			Contain	er Tv	pe: g	glas	s. p -	poly/p	lasti	c, ag - al	mber g	glass,	v - VO	4		
Noto: Samples are	discarded 30	days after	results are reporte	d unless other arrangements are made. Haza	rdous samples w	ill be i	eturn	ed to	client	or disp	osed	of at the	client e	expen	se. The	report for the	analysis of th	ne above
samples is applica	ble only to the	ose sample	s received by the la	boratory with this COC. The liability of the labor	oratory is limited	to the	e amoi	unt pa	id for	on the	repo	rt.					E11	-

Received by OCD: 10/22/2024 1:07:47 PM

@ envirotech

oject Information	Chain of	Custody												Page	_ 0, _
ient: Pima Environmental Services	Attention: De VON		Lab V	WO#			e Onl	ly Numb	er	1D	2D	TAT 3D S	tandard	EPA Pr	ogram SDW
roject Manager: Gio Gomez	Address:		E4	wo#	085	5	010	38-1	7007			/	(		RCR
ddress: 5614 N. Lovington Hwy.	City, State, Zip Phone:			T		Ť	Analy	sis and	Metho	l	П				KCK
ty, State, Zip Hobbs, NM, 88240	Email:		015	015									NIMAL CO	State UT AZ	TV
mail: gio@pimaoil.com	Pima Project # 174 - Z		DRO/ORO by 8015	) by 8	3021	260	010	300.0		Z	¥		VIVI CO	OT AZ	17
eport due by:  Time Date Matrix No. of Containers Sample ID		Lab Number		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	
1:36 316 5 BG1		31								X					
S5-5 S6-5	51	32													
56-5	, (	33													
									1						
											9-21				
Additional Instructions:	B# 71308 <b>80</b> 9	P												_	
, (field sampler), attest to the validity and authenticity of this sample. I am date or time of collection is considered fraud and may be grounds for legal	aware that tampering with or intentionally mislabellin	ng the sampl	le locat	tion,			Samp	les requi ed in ice	ring therm at an avg te	mp abov	e 0 but l	ess than 6 °C	on subsequent	ay they are samp days.	ed or re
Relinguished by: (Signature)  Raring Afam  Date 317124 Time 317124	Received by: (Signature)	3-7-	24	_	343	5	Red	ceived	on ice		Y) / r	ise Only N			
	Received by: (Signature)	3.7.	24	Time /	64	0_	T1			<u>T2</u>			<u></u>		
Relinquished by: (Signature)  Date  Time  3.7.24 23	Received by: (Signature)	3/8	174	1000	Yal	5	AV	G Ten	np °C_	4					



Printed: 3/11/2024 12:35:18PM

### **Envirotech Analytical Laboratory**

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.

We receive	no response concerning these items within 24 hours of	ine date of this noti	cc, an the	samples will be alle	nyzeu as requesteu.	
Client:	Pima Environmental Services-Carlsbad	Date Received:	03/08/24	06:15	Work Order ID:	E403085
Phone:	(575) 631-6977	Date Logged In:	03/07/24	16:45	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/15/24	17:00 (5 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	No			
	imples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		No.of containers and sa	mpled by not
Sample C	<u>'ooler</u>				documented by client or	n COC. Samples S5
7. Was a s	ample cooler received?		Yes		-5 and S6 -5 were added	d to COC per
8. If yes, v	was cooler received in good condition?		Yes		Karime. Green copy ma	•
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		• •	ide with
	custody/security seals present?		No		corrections.	
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling risible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u>c</u>			
Sample C	ueous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab			145			
	field sample labels filled out with the minimum info	ormation:				
	imple ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	reservation_	10				
	the COC or field labels indicate the samples were p	reserved?	No			
	mple(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved n	netais?	No			
	se Sample Matrix	_				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA	
Client In	struction					
L						
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Date

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Project Ir	iformation	n			Chair	of Custod	У												Page	_ of _4"		
Client: P	ima Envi	ronment	al Servic	es	D , BIII To		100		La	b Us	e Or	ilv	III. No. of	1	_	TA	AT		EPA P	rogram		
Project Manager: Tom Bynum					Attention: Levon	Attention: LEVON					Job	Nym	ber 7	1D	2D		Sta	andard	CWA	SDWA		
	5614 N.				City, State, Zip	E 40 3085 Job Number 0.053-007 Analysis and Meth							nd d			X			RCRA			
City, Stat	e, Zip Ho	bbs, NN			Phone:								Ĭ						HCHA			
	580-748- tom@pin		n		Email:		by 8015	8015										MAIL CO.	State			
Report d		14011.0011			Pima Project # 174-2		to by	to by	8021	8260	010	300.0		N. N.	×			NM CO	UI AZ	IX		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks			
12:30	3/6	5		51-1'		1								X								
12:37	(			51-2'		2																
12:44				S1-3'		3																
12:47				51-4'		4																
12:58				52-1'		5																
1:07				SZ-Z'		6																
1:18				Sz-3'		7								1								
1:25				Sz-4'		8																
1:29				53-1'		9																
1:33	1			S3-Z1		10																
	al Instruc				B# 2130909																	
				city of this sample. nay be grounds for		lling the sample	e locatio	on,										on ice the day t subsequent da		ed or received		
Kar	ed by: (Signation)	Aten	Date	7/24 Time	195 Received by: (Signature)	37.	24	Time 3	45		Rec	eived	on ice:	100	N &	se On	ly					
Relinguish	ed by: (Sign:	ature)	Date 3	7-24 Time	Received try: (Signature)	Date	.24		64	15	T1											
Relinquish	ed by: (Sign	HUSS	Date	Time	Received by: (Signature)	Date 3/8/		Time	15		12.5	Tem	n°C	4						1		
Sample Mat	rix: S - Soil, So	d - Solid, Sg -	Sludge, A - A	queous, O - Other_		Containe	r Type	2: g - g	glass,	p - po	oly/p	lastic,	ag - ami	per gla	ss, v -	VOA						
Note: Sam	ples are disc	carded 30 d	ays after res	ults are reported	d unless other arrangements are made. Hazardou	s samples will	be ret	urned	to clie	ent or	dispo	sed of	at the cli	ent exp	ense.	Ther	eport	for the ana	lysis 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.



Lab Use Only

Lab WO# E 402085

Job Number

01058-000

Analysis and Method

Devon

Attention:

Address:

SDWA

RCRA

**EPA Program** 

CWA

TAT

1D 2D 3D Standard

Client: Pima Environmental Services
Project: Thistle Unit 6
Project Manager: Gio Gomez

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Address: 5614 N. Lovington Hwy. City, State, Zip									Analysis and Method									
City, State, Zip											1		State					
Phone: 806-78		8015	015										NM CO UT AZ TX					
Email: gio@pimaoil.com  Pima Project # 174-2							by 8	by 8	170	9	10	0.00			Z I	×		NVI CO OT AZ TA
Report due by:					Pilita Project # 1 / / C		ORO	ORO	by 8021	y 82	s 60	de 3						
Time Date Sampled Sample	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO	GRO/DRO by	BTEX	VOC by 8260	Metals 6010	Chloride			BGDOC	BGDOC		Remarks
1:41 3/0	, 5		53-3'			11								X				
1:48	1		53- 4'			17								1				
1:55		1	54-1'			13												Will Elister
2:03			S4-Z'			14												
2:17			54- 3'			15												
2:15			54-41			16												
2:19			S5-1°			17												
7:21			55-Z'			18												
2:30	HALL		55-3	1		19												
2:36			55-4			20												
Additional Inst	ructions:			31	± 2130909													
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.																		
Relinguished by: (	Signature)	Date	e. I Tim	1:45	Received by: (Signature) /	3-7-a	24	Time	34	2	Red	ceive	d on ic	e:		b Use	Only	
Relinquished by: (Signature)  Received by: (Signature)  Midelli (a) 2 3-7-24 le 40 Received by: (Signature)  And all (a) 2 3-7-24 le 40 Andrew Modes							3-7.24 1640 T1 T2 T3						<u>T3</u>					
Relinquished by: (	Signature)	Dat	e Tin	ne ) 22	Received by: (Signature)	3/8	124	Time	019	5	AV	G Te	mp °C_	c	t			
Sample Matrix: 5 - S Note: Samples are		STATE OF A STATE OF				Contain	er Tvi	oe: g -	glass	s. p -	/ylog	plasti	c, ag - a	mbe	glas	s, v -	VOA	
Note: Samples are	discarded 30	days after r	esults are reporte	ed unle	ess other arrangements are made. Hazardo	us samples wi	ll be r	eturne	ed to	client	or disp	posed	of at the	clien	t expe	ense.	The repo	ort for the analysis of the above
samples is applied	ble only to the	se samples	received by the l	ahorat	ory with this COC. The liability of the laborat	ory is limited	to the	amou	unt pa	id for	on the	e repo	rt.		1	1	to Usi	

**Project Information** 

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Chain of Custody

Silvert Bires Frankrammental Consisces   C Bill To						Lab Use Only TAT								EPA P	rogram					
Client: Pima Environmental Services  Project: Thistle Uni+6  Attention: Devon							NO#				Job Number				2D		Stan	dard	CWA	SDWA
				Address:			W0#	3093				-05					X			
Project Manager:	City, State, Zip		-	107	-0		Analys	is an	d Met	thod					777		RCRA			
Address: Collina acting																				
City, State, Zip Hobbs, NM, 88240 Phone: Email:							15				1014								State	I TV I
Email: gio@pir						y 80	y 80	12	0	0	0.0		-	MM			I	IM CO	UT AZ	TX
Report due by:	naomicon.			Pima Project # 1/9-2	Pima Project # 174-2			y 80.	826	601	le 30				¥		7			
Time Date Sampled 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			верос	верос				Remarks	
2:48 3/6	5		56-1'		21									X						
2:51			56-2'		22															
2:59			56-3'		23															-
3:06			56-4		24														No.	
3:11			5W)		25														-	
3:16			SWZ		26															
3:18			Sw3		27				-											
3.70			564		73				-											
3:25			5W5		29															-
3:31			SWb		36									1					1	
Additional Instru				PH 2/3080	109													a law thin also	thou are say	nled or receive
I, (field sampler), attes	to the validity	y and authen	ticity of this sample. Ta	m aware that tampering with or intentionally mislabel	ling the samp	ole loca	tion,			Samp	d in ice	uiring the	ermal p	above	ation m 0 but l	ess than	6 °C on s	ubsequent o	iays.	pled or receive
			may be grounds for lega	Received by: (Signature)	Date	- /	Time	- 11	-							Ise O	nly			
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Relinquished by: (Si		Dat	7.24 Time	la : ( d bu ( Simple )	Date 3.7	7.1.1	Time	64	10	T1				T2				тз		
Relinquished by: (Si	gnature	Dat	e Time	Received by: (Signature)	Date	ate Time														
1 1	. M.89	6 2	1.7.24 23	30 1000	368	16	a	OF	2	AV	G Te	mp °C		T		115				
Sample Matrix: S - Soil					Contain	er Ty	pe: g -	glass	5, p -	poly/p	olasti	c, ag -	amb	er gla	ass, v	- VOA	renort	for the a	nalysis of th	ne above
Ninter Committee nen e	licearded 20	days after r	acults are reported u	nless other arrangements are made. Hazardou	s samples w	ill be r	eturne	ed to c	id for	on the	reno	or at th	ne cité	ent ex	pense	. 1116	report	, or the a	.5.13.5 01 11	
samples is applicabl	e only to tho	se samples	received by the labor	ratory with this COC. The liability of the laborator	ry is limited	to the	ainot	int pa	101	Jiiuit	теро		100	-		•	2011/06			

**EPA Program** 

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		Lovingto				City, State, Zip		ha_f	V /-			Analys	sis ar	nd Metho	d						RCRA	
	Name and Address of the Owner, where the Owner, which is	bbs. NN	Contract on the last of the la			Phone:															To the	
			1. 00240			Email:		15	15											State		
	" ' 0 ' - "						/ 80	8015	-			0.0		5				NM CO	UT AZ	TX		
eport du	A STATE OF THE OWNER, WHEN PARTY AND ADDRESS OF	4011100111			100	Pima Project # 174 - Z		O/ORO by 8015	GRO/DRO by	802	8260	5010	Chloride 300.0		N	¥	-		V			
Time	Date		No. of		-		Lab	NO/OR	ND/OR	Х Ьу	þ	als (	oride		верос	00				Remarks		
	Sampled	Matrix	Containers	Sample ID			Number	DRO	GRC	BTEX by 8021	VOC by 8260	Metals 6010	S. C.			верос				Kemarks		
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		d - Solid, Sg	- Sludge, A - /	Aqueous, <b>O</b> - Othe	r		Containe	er Typ	e: g -	glass	s, p -	poly/p	olasti	c, ag - an	lioet g	vocas	0 Th	a reno	rt for the a	nalysis of th	e above	
Note: Samp	oles are dis	carded 30 d	days after re	esults are repor	ted unle	ess other arrangements are made. Hazardous	samples wi	to the	eturne	ed to d	id for	on the	reno	or at the t	neme	xperis	e. 111	e repo	it for the a	idiyala or ti		
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Report to:
Gio Gomez





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6 Well Pad

Work Order: E405169

Job Number: 01058-0007

Received: 5/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/20/24

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: 5/20/24

Gio Gomez PO Box 247 Plains, TX 79355-0247

Project Name: Thistle Unit 6 Well Pad

Workorder: E405169

Date Received: 5/14/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/14/2024 6:00:00AM, under the Project Name: Thistle Unit 6 Well Pad.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

CCII: 779 207 1702

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

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labadmin@envirotech-inc.com

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Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/20/24 13:43

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
S2 - 5'	E405169-01A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.
S2 - 6'	E405169-02A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.
S4 - 5'	E405169-03A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.
S4 - 6'	E405169-04A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.
S5 - 6'	E405169-05A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.
S6 - 6'	E405169-06A Soil	05/10/24	05/14/24	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

#### S2 - 5' E405169-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2420067
Benzene	ND	0.0250		1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250		1	05/14/24	05/16/24	
Toluene	ND	0.0250		1	05/14/24	05/16/24	
o-Xylene	ND	0.0250		1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500		1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250		1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		98.1 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		98.1 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0		1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/14/24	05/17/24	
Surrogate: n-Nonane		106 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2420183
Chloride	ND	20.0	·	1	05/17/24	05/18/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

S2 - 6' E405169-02

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA	<u> </u>	Batch: 2420067
Benzene	ND	0.0250		1	05/14/24	05/15/24	
Ethylbenzene	ND	0.0250		1	05/14/24	05/15/24	
Toluene	ND	0.0250		1	05/14/24	05/15/24	
o-Xylene	ND	0.0250		1	05/14/24	05/15/24	
p,m-Xylene	ND	0.0500		1	05/14/24	05/15/24	
Total Xylenes	ND	0.0250		1	05/14/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130		05/14/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/14/24	05/15/24	
Surrogate: Toluene-d8		97.2 %	70-130		05/14/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/14/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130		05/14/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/14/24	05/15/24	
Surrogate: Toluene-d8		97.2 %	70-130		05/14/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0		1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/14/24	05/17/24	
Surrogate: n-Nonane	·	105 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2420183
Chloride	ND	20.0		1	05/17/24	05/18/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

S4 - 5' E405169-03

		E403107-03					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Amary C	Result		Dilui	uon	1 repared	AllalyZX	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: B	A		Batch: 2420067
Benzene	ND	0.0250	1		05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1		05/14/24	05/16/24	
Toluene	ND	0.0250	1		05/14/24	05/16/24	
o-Xylene	ND	0.0250	1		05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1		05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1		05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		101 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.2 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: B	A		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		101 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.2 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: N	V		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0	1		05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1		05/14/24	05/17/24	
Surrogate: n-Nonane		105 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY	?		Batch: 2420183
Chloride	ND	20.0	1		05/17/24	05/18/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

S4 - 6' E405169-04

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: BA		Batch: 2420067
Benzene	ND	0.0250	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1	05/14/24	05/16/24	
Toluene	ND	0.0250	1	05/14/24	05/16/24	
o-Xylene	ND	0.0250	1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130	05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/14/24	05/16/24	
Surrogate: Toluene-d8		95.1 %	70-130	05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130	05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/14/24	05/16/24	
Surrogate: Toluene-d8		95.1 %	70-130	05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		109 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: IY		Batch: 2420183
Chloride	ND	20.0	1	05/17/24	05/18/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

S5 - 6' E405169-05

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst		1 mary 200	Batch: 2420067
Benzene	ND	0.0250		1	05/14/24	05/16/24	Butch: 2 120007
Ethylbenzene	ND	0.0250		1	05/14/24	05/16/24	
Toluene	ND	0.0250		1	05/14/24	05/16/24	
o-Xylene	ND	0.0250		1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500		1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250		1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.3 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.3 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0		1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/14/24	05/17/24	
Surrogate: n-Nonane		104 %	50-200	·	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2420183
Chloride	ND	20.0		1	05/17/24	05/18/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

S6 - 6' E405169-06

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2420067
Benzene	ND	0.0250	:	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250		1	05/14/24	05/16/24	
Toluene	ND	0.0250		1	05/14/24	05/16/24	
o-Xylene	ND	0.0250		1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500		1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	į	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.0 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2420067
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		05/14/24	05/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/14/24	05/16/24	
Surrogate: Toluene-d8		96.0 %	70-130		05/14/24	05/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	ND	25.0		1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/14/24	05/17/24	
Surrogate: n-Nonane		107 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2420183
· · · · · · · · · · · · · · · · · · ·	ND	20.0			05/17/24	05/18/24	·

### **QC Summary Data**

Pima Environmental Services-Carlsbad Project Name: Thistle Unit 6 Well Pad Reported:

PO Box 247 Project Number: 01058-0007

Plains TX, 79355-0247 Project Manager: Gio Gomez 5/20/2024 1:43:49PM

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez				5/20	D/2024 1:43:49PN
	V	olatile Organ	ic Compou	unds by El	PA 82601	В		1	Analyst: BA
Analyte		Reporting	Spike	Source		Rec		RPD	
•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420067-BLK1)							Prepared: 0	5/14/24 Analy	zed: 05/15/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			
LCS (2420067-BS1)							Prepared: 0	5/14/24 Analy	zed: 05/15/24
Benzene	2.71	0.0250	2.50		108	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Foluene	2.48	0.0250	2.50		99.4	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.4	70-130			
Total Xylenes	7.54	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			
Matrix Spike (2420067-MS1)		Source:			E405169-	02	Prepared: 0:	5/14/24 Analy	zed: 05/15/24
Benzene	2.72	0.0250	2.50	ND	109	48-131			
Ethylbenzene	2.64	0.0250	2.50	ND	105	45-135			
Toluene	2.51	0.0250	2.50	ND	100	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
o,m-Xylene	5.11	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			
Matrix Spike Dup (2420067-MSD1)				Source:	E405169-	02	Prepared: 0	5/14/24 Analy	zed: 05/15/24
Benzene	2.73	0.0250	2.50	ND	109	48-131	0.147	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	1.62	27	
Toluene	2.54	0.0250	2.50	ND	101	48-130	1.27	24	
o-Xylene	2.67	0.0250	2.50	ND	107	43-135	1.41	27	
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135	1.93	27	
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135	1.75	27	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
G	0.510		0.500		102	70 120			

0.500

0.500

102

97.0

70-130

70-130

0.510

0.485

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

### **QC Summary Data**

Thistle Unit 6 Well Pad Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Gio Gomez 5/20/2024 1:43:49PM

Nonhalogenated Org	ganics by EPA	8015D - GRO
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Analyst: BA

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420067-BLK1)							Prepared: 0:	5/14/24 Anal	yzed: 05/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			
LCS (2420067-BS2)							Prepared: 0:	5/14/24 Anal	yzed: 05/15/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	·	107	70-130	·		
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
Matrix Spike (2420067-MS2)				Source:	E405169-	02	Prepared: 0:	5/14/24 Anal	yzed: 05/15/24
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			
Matrix Spike Dup (2420067-MSD2)				Source:	E405169-	<b>Prepared:</b> 05/14/2		5/14/24 Anal	yzed: 05/16/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	6.43	20	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			



Surrogate: n-Nonane

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6 Well PadReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez5/20/20241:43:49PM

, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit %	Nistra	
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	%0	Notes	
Blank (2420075-BLK1)							Prepared: 0	5/14/24 Anal	yzed: 05/17/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	52.0		50.0		104	50-200				
LCS (2420075-BS1)							Prepared: 0	5/14/24 Anal	yzed: 05/17/24	
Diesel Range Organics (C10-C28)	226	25.0	250		90.4	38-132				
Surrogate: n-Nonane	55.2		50.0		110	50-200				
LCS Dup (2420075-BSD1)							Prepared: 0	5/14/24 Anal	yzed: 05/17/24	
Diesel Range Organics (C10-C28)	274	25.0	250		109	38-132	19.0	20		

50-200



Analyst: IY

### **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/20/2024 1:43:49PM

Anions by EPA 300.0/9056A

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420183-BLK1)							Prepared: 0:	5/17/24 Ana	alyzed: 05/18/24
Chloride	ND	20.0							
LCS (2420183-BS1)							Prepared: 0	5/17/24 Ana	alyzed: 05/18/24
Chloride	248	20.0	250		99.2	90-110			
LCS Dup (2420183-BSD1)							Prepared: 0	5/17/24 Ana	alyzed: 05/18/24
Chloride	252	20.0	250		101	90-110	1.72	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 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/20/24 13:43

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 Cus	stody	- [ [
4	1111111111	Page of
	E405169 01058-0007	

Client: F	ima Env	ironmen	tal Sarvi	nee like		DIII T-		EL	105	16	7	01	058	-000	7					,_
Project:	Thistl-	eUnit	Co take 1	pad.	Attention: Del	Bill To		10 310	Till the Till	North Control	***	erange in			16	2D	T/			rogram
Address: City, Stat Phone:	5614 N. e. Zlp. He 306-782-	Lovingt	on Hwy. 4. 88240		City, State, Zip Phone: Email:		Ξ							d Meth		T T		X	CWA	SDWA RCRA
Report d	alo@pim ue bv:	aoil.com			Pima Project #	174-2		by 801	by 801	021	03	9	0.00		MM			NM CO	State UT   AZ	IXI
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		100		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC N			XI	Remarks	
10:06	010	5		52-5'					Ť		_	-	ŭ		V	- A				
10:13				52-61			2					*		+	1	H				
10:21				SH-5'			3	H						+	+	+	H	+		
10:28	-1			S4-6'			4							+	+	1			-	
10:55				55-6			5							$\forall$	+	+				
11:03		4		56-6			6							1	#	-			-	
															1	$\vdash$				
		9-																		
Addition	al Instruc	tions																		
			and authent	city of this sample. Lam	B# 213	or intentionally mislabelling te										-				
Relinquishe	d by: (Signa	ture)	fraud and n	nay be grounds for legal :	action. Sample	ed by:		locatio	n,			Sample packed	s requiri In ice at	ng therma an avg ter	l preserva np abova	tion mu: 0 but les	st be rece s than 6	hed on ice the day the Con subsequent days.	y are sample:	d or received
Relinquishe	d by: (Signa	ture)	Date 5		Received by: (5)gr	nature) 5	1	24	Time	241			lved	on ice:	Ċ	ab Us )/ N	e Onl	,		
Relinguishe			Date	13.24 75	Received by: [Sign	nature) Dae	714	1	7 / / OG (	7		<b>11</b>		. (	12.	****		И		
Sample Matr Note: Samp	x: 5 - Soil, Sd les are disc	- Solid, Sg - S	Sludge, A - Ad			The second secon	-				- po	AVG ly/pla	Temp	g - ami	er glas	S. V - 1	VOA	y Liver		
samples is a	pplicable or	nly to those	samples re	ceived by the laborate	iss other arrangements ar ory with this COC. The liab	e made. Hazardous ample	es will b	e retu	rned (	to clier	nt or c	dispos	ed of a	t the cli	ent exp	ense.	The re	ort for the analys	is of the ab	love



Printed: 5/14/2024 9:19:36AM

#### **Envirotech Analytical Laboratory**

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:	05/14/24 06	i:00	Work (	Order ID:	E405169
	(575) 631-6977		05/14/24 06				
Phone: Email:	gio@pimaoil.com	Date Logged In: Due Date:		7:00 (4 day TAT)	Logged	l In By:	Angelina Pineda
Ellian.	gio@piniaon.com	Due Date.	03/20/24 17	.00 (4 day 1A1)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
	te COC complete, i.e., signatures, dates/times, reque	ested analyses?	No	Carrier. <u>c</u>	<u> </u>		
	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted i				,	~	h-/D
	i.e, 15 minute hold time, are not included in this disucssi	ion.			<u>.</u>	omment	ts/Resolution
	Turn Around Time (TAT)				No. of container	a ia not	dogumented on
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			s is not	documented on
Sample (					COC by client		
	sample cooler received?		Yes				
-	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C  Note: Thermal preservation is not required, if samples at minutes of sampling	re received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	e temperature: 4°	<u>C</u>				
_	Container 1		3.7				
	equeous VOC samples present?		No NA				
	/OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	a trip blank (TB) included for VOC analyses?	0	NA				
	non-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contai	ners collected?	Yes				
Field La	field sample labels filled out with the minimum info	armation					
	Sample ID?	ormation.	Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
Sample 1	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multiph:	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ase?	No				
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laborate	orv?	No				
	a subcontract laboratory specified by the client and i	•		Subcontract Lab	o: NA		
	, ,		_	suo cominaci Euro			
CHERT	<u>nstruction</u>						
L							

Date

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
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.



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	7/17/2024 4:18:08PM

#### CS1 E407123-01

		2.07.120 01					
		Reporting					
Analyte	Result	Limit	Dil	lution	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	



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	7/17/2024 4:18:08PM

#### CS2

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	l	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	l	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	l	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	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	
A.: b.: EDA 200 0/0056 A	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A							

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	7/17/2024 4:18:08PM

#### CS3 E407123-03

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	Α	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	Α	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	Α	Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	



Г	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	7/17/2024 4:18:08PM

### CS4

	E407123-04				
	Reporting				
Result	Limit	Diluti	tion Prepared	Analyzed	Notes
mg/kg	mg/kg	А	Analyst: RKS		Batch: 2429047
ND	0.0250	1	07/16/24	07/17/24	
ND	0.0250	1	07/16/24	07/17/24	
ND	0.0250	1	07/16/24	07/17/24	
ND	0.0250	1	07/16/24	07/17/24	
ND	0.0500	1	07/16/24	07/17/24	
ND	0.0250	1	07/16/24	07/17/24	
	123 %	70-130	07/16/24	07/17/24	
	91.3 %	70-130	07/16/24	07/17/24	
	100 %	70-130	07/16/24	07/17/24	
mg/kg	mg/kg	А	Analyst: RKS		Batch: 2429047
ND	20.0	1	07/16/24	07/17/24	
	123 %	70-130	07/16/24	07/17/24	
	91.3 %	70-130	07/16/24	07/17/24	
	100 %	70-130	07/16/24	07/17/24	
mg/kg	mg/kg	А	Analyst: NV		Batch: 2429035
ND	25.0	1	07/17/24	07/17/24	
ND	50.0	1	07/17/24	07/17/24	
	92.0 %	50-200	07/17/24	07/17/24	
mg/kg	mg/kg	Α	Analyst: WF		Batch: 2429040
	mg/kg ND	Result         Reporting           Mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           123 %           91.3 %         100 %           mg/kg         mg/kg           ND         20.0           123 %         91.3 %           100 %         100 %           mg/kg         mg/kg           ND         25.0           ND         50.0           92.0 %	Reporting           Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           123 %         70-130           91.3 %         70-130           100 %         70-130           mg/kg         mg/kg         A           ND         20.0         1           123 %         70-130         70-130           91.3 %         70-130         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           92.0 %         50-200	Reporting           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         07/16/24           ND         0.0250         1         07/16/24           ND         0.0250         1         07/16/24           ND         0.0250         1         07/16/24           ND         0.0500         1         07/16/24           ND         0.0250         1         07/16/24           ND         0.0250         1         07/16/24           91.3 %         70-130         07/16/24           91.3 %         70-130         07/16/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         07/16/24           91.3 %         70-130         07/16/24           91.3 %         70-130         07/16/24           91.3 %         70-130         07/16/24           91.3 %         70-130         07/16/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         07/17/24           ND         50.0         1         07/17/24           92.0 %         50-200         0	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         07/16/24         07/17/24           ND         0.0500         1         07/16/24         07/17/24           ND         0.0250         1         07/16/24         07/17/24           ND         0.0250         1         07/16/24         07/17/24           ND         0.0250         1         07/16/24         07/17/24           91.3 %         70-130         07/16/24         07/17/24           91.3 %         70-130         07/16/24         07/17/24           91.3 %         70-130         07/16/24         07/17/24           91.3 %         70-130         07/16/24         07/17/24           91.3 %         70-130         07/16/24         07/17/24           mg/kg         mg/kg         Analyst: NV </td



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	7/17/2024 4:18:08PM

#### CS5

		Reporting					
Analyte	Result	Limit	Di	lution	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
		20.0			07/17/24	07/17/24	

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	7/17/2024 4:18:08PM

#### CS6 E407123-06

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	Α	Analyst: WF		Batch: 2429040
Chloride	ND	20.0	1	07/17/24	07/17/24	_



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
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Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

#### CS7

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	l	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	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	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/17/24	07/17/24	
Surrogate: n-Nonane		114 %	50-200		07/17/24	07/17/24	
1	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A		<u> </u>					



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	7/17/2024 4:18:08PM

#### CS8

		Reporting					
Analyte	Result	Limit	Dilu	tion	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
Allions by ETA 500.0/7050A							



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	7/17/2024 4:18:08PM

#### CS9

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	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
Allions by ETA 500.0/3030A							



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Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

#### **CS10**

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	l	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	l	07/16/24	07/17/24	
Toluene	ND	0.0250	1	l	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	l	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	<u> </u>	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	Analyst: RKS			Batch: 2429047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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



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#### CS11

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	l	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	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
Allions by ETA 500.0/7050A							



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Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

#### CS12 E407123-12

	_	Reporting	_				
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: l	RKS		Batch: 2429047
Benzene	ND	0.0250	1	l	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	l	07/16/24	07/17/24	
Toluene	ND	0.0250	1	l	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	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	1	Analyst: l	RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	1	Analyst: 1	NV		Batch: 2429035
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	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



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#### CSW1

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	l	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	l	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	l	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	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
Amons by EPA 500.0/9050A							

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Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

### CSW2

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	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
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Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
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#### CSW3

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	07/17/24	07/17/24	
Surrogate: n-Nonane		92.1 %	50-200		07/17/24	07/17/24	
A . I ED 200 0/0056 A	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A	2 2	<u> </u>					



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6	
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Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/17/2024 4:18:08PM

#### CSW4

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	l	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	l	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	د	Analyst:	RKS		Batch: 2429047
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	1	07/17/24	07/17/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/17/24	07/17/24	
Surrogate: n-Nonane		93.0 %	50-200		07/17/24	07/17/24	
A L. EDA 200 0/005/ A	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A		mg ng					



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	7/17/2024 4:18:08PM

### CSW5

		Reporting					
Analyte	Result	Limit	Di	lution	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	



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	7/17/2024 4:18:08PM

### CSW6

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	А	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	A	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	A	Analyst: WF		Batch: 2429040
Amons by ETA 300.0/7030A						



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	7/17/2024 4:18:08PM

#### CSW7

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	l	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	ļ.	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	
A: b EDA 200 0/005/ A	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A							



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	7/17/2024 4:18:08PM

#### CSW8

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2429047
Benzene	ND	0.0250	1	1	07/16/24	07/17/24	
Ethylbenzene	ND	0.0250	1	1	07/16/24	07/17/24	
Toluene	ND	0.0250	1	1	07/16/24	07/17/24	
o-Xylene	ND	0.0250	1	1	07/16/24	07/17/24	
p,m-Xylene	ND	0.0500	1	1	07/16/24	07/17/24	
Total Xylenes	ND	0.0250	1	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	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	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/17/24	07/17/24	
Surrogate: n-Nonane		110 %	50-200		07/17/24	07/17/24	
A: b EDA 200 0/005/ A	mg/kg	mg/kg		Analyst:	WF		Batch: 2429040
Anions by EPA 300.0/9056A	<i>U U</i>	0 0					



### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez7/17/2024 4:18:08PM

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez				7/	Notes zed: 07/16/24		
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2429047-BLK1)							Prepared: 0	7/16/24 Ana	lyzed: 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: 0	7/16/24 Ana	lyzed: 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: 0	7/16/24 Ana	lyzed: 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					

0.500

70-130



Surrogate: Toluene-d8

0.522

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez7/17/2024 4:18:08PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: RKS

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

Blank (2429047-BLK1)						Prepared: 0'	7/16/24 <i>A</i>	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: 0'	7/16/24 <i>A</i>	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: 0'	7/16/24 <i>A</i>	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

Plains TX, 79355-0247		Project Manager	r: Gi	o Gomez					7/17/2024 4:18:08PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - 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: 0	7/16/24 A	nalyzed: 07/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.7		50.0		105	50-200			
LCS (2429035-BS1)							Prepared: 0	7/16/24 A	nalyzed: 07/16/24
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
urrogate: n-Nonane	53.8		50.0		108	50-200			
LCS Dup (2429035-BSD1)							Prepared: 0	7/16/24 A	nalyzed: 07/16/24
Diesel Range Organics (C10-C28)	235	25.0	250		94.2	38-132	1.92	20	-
Jurrogate: n-Nonane	54.6		50.0		109	50-200			



248

247

LCS (2429040-BS1)

LCS Dup (2429040-BSD1)

Chloride

Chloride

Prepared: 07/16/24 Analyzed: 07/17/24

Prepared: 07/16/24 Analyzed: 07/17/24

20

90-110

90-110

0.392

99.2

98.8

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	: (	Thistle Unit 6 01058-0007 Gio Gomez					<b>Reported:</b> 7/17/2024 4:18:08PM
		Anions	by EPA	300.0/9056	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2429040-BLK1)						F	Prepared: 0	7/16/24 <i>A</i>	analyzed: 07/17/24
Chloride	ND	20.0							

250

250

20.0

20.0

#### 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** 

Project: Thistle Unit is Attention: Devon											L	ab U	se Oi	2007					TA	T		EPA Pr	ogram		
	Thistle					Attent	ion:	Levo	h			WO			Job	Num	ber		1D	2D	3D	Sta	ndard	CWA	SDWA
	lanager:					Addre	ss:				E	101	127	3			0007		X						
			on Hwy.				tate, Zi	ip							Anal	ysis a	nd Met	hod							RCRA
			M. 88240			Phone	e:																		
	306-782-					Email	: -				0115	8015												State	
	gio@pim	aoil.com	1			Dimen	Desis	at # ]	17.1		39 80	34 80	17	0	0	300.0			NM					UT AZ	TX
Report di	ue by:					Pima	Proje	Ct#	-174		108	RO F	/ 80	826	601	e 30				X		2	X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID						Lab Numbe	DRO/ORO by 8015	GRO/D	BTEX by 8021	VOC by 8260	Metals 6010	Chloride			верос	верос				Remarks	
7:60	7/15	5	1	C51						1									X						
2:08		-	1	CS	2					2									1						
2:14				CS3	)					3															
2:19				CS4						4															
7:28				CSF						5															
2:33				c51	0					6															
2:40				CS-	7					7															
2:43				CS8						8															
2:51				C50						9															
2:59		1		CSI	0					10															
Addition	al Instruc	tions:				2	Sill	1:19:	#10	0709	6	20	)/												
	12 400 200 1000			icity of this sar nay be ground			tamperin	ng with or in Sampled I	ntentionally mislat by:	elling the samp	le locat	ion,			1000			12.45.7					ice the day t ubsequent day	ney are sample vs.	ed or received
Relinquished by: (Signature)  Date  7/16/24 1. 25  Received by: (Signature)								-24		32		Rec	eive	l on ice	e:		b Us / N	e Onl	У						
/	d by (Signa	6.0	les Date	16:24	Time 1545	5 0	A	by: Signat		7.16.	4	Time	64	5	<u>T1</u>			_	T2			_ :	ГЗ		
Relinquishe	by: (Signa	ature)	Date 7-	6.24	Time 22	30	eceived t	by: (Signat	Hell	7-17-	24	Time	,		AVO	3 Ter	np °C_	4							
		- Solid, Sg -		queous, O - O			11		122	Contain	er Typ	e: g -	glass	p - p	ooly/p	lastic	ag - ai	nbei	r glas	s, v -	VOA				
Note: Samp	oles are disc	arded 30 d	ays after re	sults are rep	orted unle	ess other a	arrangem	nents are r	made. Hazardo	us samples w	ll be re	turne	d to cl	ient c	or disp	osed o	f at the	clien	t expe	ense.	The re	port f	or the ana	lysis of the	above
annalas is	annlicable o	nly to the	a camplac r	accined by th	a laborat	one with t	his COC	The liabili	tu of the laborat	one is limited	to the	amou	nt nai	d for	on the	ranor									

be returned to client or disposed of at the client expense. The report for the analysis of the above to the amount paid for on the report.

Compared to client or disposed of at the client expense. The report for the analysis of the above to the amount paid for on the report.

Project	Information

roject Informati	on			Chain	of Custody	/										Page Z	2 of 4
Client: Pima En	vironmen	tal Servi	ces	Bill To			-	Lal	b Use	Only				TA	T	EPA Pi	ogram
Project: Thist	le Unit	6	003	Attention: PUON	2	Lab	WO#					1D	2D	3D	Standard	CWA	SDWA
roject Manager				Address:		E	107	123	3 0	2105	mber 8-0007	j			_		
ddress: 5614 N				City, State, Zip	-				Aı	nalysi	s and Method	-		-			RCRA
ity, State, Zip   F hone: 806-782		VI. 88240		Phone: Email:		LC.	N									State	
mail: gio@pir		1		ì .		801	8015	_			9	-			NM CO	UT AZ	TX
eport due by:				Pima Project # \ - \ 74		(O by	(O by	802	8260	5010	300	NM	¥		X		
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	верос	верос			Remarks	
:07 7115	S	1	CSII		11							X					
113			CSIZ		12							1					
3:37			CSW 1		13												
3:42			CSWZ		14												
5:47			CSW3		15												
57			CSW4		16												
5:59			CSWS		17												
:07			CSW6		18												
:1)			CSW7		19												
1:21		1	CSW8		20							1					
dditional Instru	ctions:			Rilling# 1007096	701												
field sampler), attest	to the validity	and authent	icity of this sample. I am	aware that tampering with or intentionally mislabell		e locati	on,	-							eived on ice the day		ed or received
			may be grounds for legal a						р	acked in	ice at an avg temp				°C on subsequent da	ys.	
elinquished by: (Sign	Hour	u 1	16/24 Time	Reveleved by: (Signature)	7.16.2	14	Time	325	F	Recei	ved on ice:		ab Us	se Onl	У		
almouished by (Sign	. 0	les Date	1624 154:		7.16	ty		645	S	Г1		<u>T2</u>			<u></u>		
elinquiched by (Sign	•		16.24 223	Received by: (Signature)	Date		Time		1		Temp °C 4						
mple Matrix: S - Soil,	Sd - Solid, Sg -	Sludge, A - A	queous, O - Other								stic, <b>ag</b> - ambe						
				ss other arrangements are made. Hazardous								nt exp	ense.	ine r	eport for the ana	nysis of the	above



envirotech Inc.

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

#### **Envirotech Analytical Laboratory**

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	Logge	ed In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	07/17/24	17:00 (0 day TAT)			
Chain of 1. Does th 2. Does th 3. Were sa 4. Was the 5. Were al  Sample T 6. Did the Sample C 7. Was a s	Custody (COC)  the sample ID match the COC?  the number of samples per sampling site location manapples dropped off by client or carrier?  the COC complete, i.e., signatures, dates/times, requently samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e., 15 minute hold time, are not included in this disucssion turn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?  Cooler  ample cooler received?	tch the COC sted analyses?	Yes Yes Yes Yes Yes Yes	17:00 (0 day 1A1)  Carrier: <u>C</u>	Thistle Unit 6 h	as been ue to hig	h sample volume.
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample		Yes <u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa Da	tel.  field sample labels filled out with the minimum information in the minimum information in the minimum information in the minimum information in the minimum in the mi	ormation:	Yes Yes No				
Sample P	reservation_		110				
21. Does t	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multi</u> pha	se Sample Matrix						
_	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
Subcontr 28. Are sa	act Laboratory  Imples required to get sent to a subcontract laborato subcontract laboratory specified by the client and i	ry?	No NA	Subcontract Lab	o: NA		
<u>Client</u> In	struction						

Date

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

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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### Sample Summary

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

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



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	7/17/2024 4:19:50PM

#### CSW9

		E40/124-01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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		88.8 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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		109 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW10

		E407124-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,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		89.7 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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		109 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		89.9 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		109 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2429039
	ND	20.0		07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		88.6 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		113 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2429039
· · · · · · · · · · · · · · · · · · ·	ND	20.0		07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		87.8 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		111 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2429039
· · · · · · · · · · · · · · · · · · ·	ND	20.0		07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW14

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: DT		Batch: 2429039



Surrogate: n-Nonane

Chloride

Anions by EPA 300.0/9056A

### Sample Data

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	7/17/2024 4:19:50PM

### CSW15 E407124-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	yst: 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	Ana	yst: 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	Ana	yst: 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	

92.4 %

mg/kg

20.0

mg/kg

ND

50-200



07/17/24

07/17/24

Batch: 2429039

07/17/24

07/17/24

Analyst: DT

1

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	7/17/2024 4:19:50PM

### CSW16 E407124-08

		2107121 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
p-Xylene	ND	0.0250	1	07/16/24	07/17/24	
o,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	Analy	yst: 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	Analy	yst: 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	Analy	yst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW17

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		91.6 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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		91.5 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2429039
	· ·		·	·	·	·



Chloride

# **Sample Data**

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	7/17/2024 4:19:50PM

#### CSW18

E407124-10						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		90.5 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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		95.7 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2429039

20.0

ND

07/17/24

07/17/24



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	7/17/2024 4:19:50PM

#### CSW19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	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	Anal	yst: DT		Batch: 2429039



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	7/17/2024 4:19:50PM

#### CSW20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		89.5 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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		115 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2429039
· · · · · · · · · · · · · · · · · · ·	ND	20.0	1	07/17/24	07/17/24	·



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	7/17/2024 4:19:50PM

#### CSW21

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW22

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	Ana	ılyst: 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	Ana	ılyst: 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	Ana	alyst: DT		Batch: 2429039
	ND	20.0		07/17/24	07/17/24	



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	7/17/2024 4:19:50PM

#### CSW23

		E407124-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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		90.7 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2429048
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/24	07/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/16/24	07/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		101 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2429039
Chloride	ND	20.0	1	07/17/24	07/17/24	



Surrogate: 4-Bromochlorobenzene-PID

# **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

Plains TX, 79355-0247		Project Number: Project Manager		o Gomez					7/17/2024 4:19:50PM		
Volatile Organics by EPA 8021B  Analys											
Analyte	Dl4	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2429048-BLK1)							Prepared: 0	7/16/24 Ar	nalyzed: 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: 0	7/16/24 Ar	nalyzed: 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-BSD1)							Prepared: 0	7/16/24 Ar	nalyzed: 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: 1-Chloro-4-fluorobenzene-FID

8.64

### **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

Plains TX, 79355-0247		Project Manage		o Gomez				7/17	7/2024 4:19:50PM
	I	Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2429048-BLK1)						I	Prepared: 0	7/16/24 Analy	zed: 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)						I	Prepared: 0	7/16/24 Analy	zed: 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)						I	Prepared: 0	7/16/24 Analy	zed: 07/17/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130	1.48	20	

70-130

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

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez				7	7/17/2024 4:19:50PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - 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: 0	7/16/24 An	alyzed: 07/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.2		50.0		112	50-200			
LCS (2429037-BS1)							Prepared: 0	7/16/24 An	alyzed: 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: 0	7/16/24 An	alyzed: 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			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Thistle Unit 6 01058-0007 Gio Gomez					<b>Reported:</b> 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		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	

Blank (2429039-BLK1)						Prepared: 07	7/16/24 Analyzed:	07/16/24
Chloride	ND	20.0						
LCS (2429039-BS1)						Prepared: 07	7/16/24 Analyzed:	07/16/24
Chloride	252	20.0	250	101	90-110			
LCS Dup (2429039-BSD1)						Prepared: 07	1/16/24 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.



Citatil of Castoa	Chair	of	Custo	dy
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	7		11
Page		of	4

Client: Pima Environmental Services	s Bill To				La	b Us	e On	ly				TA	Т	EPA Pi	ogram
Project: Thistle Unita	Attention: Levon		Lab	WO#			Job N	Vumb			2D		Standard	CWA	SDWA
Project Manager: Gio Gomez	Address:		E4	1071	24		010	5B-0	007	X				17	
Address: 5614 N. Lovington Hwy.	City, State, Zip		J.				Analy	sis and	Metho	d					RCRA
City, State, Zip Hobbs, NM, 88240	Phone:														
Phone: 806-782-1151	Email:		015	015										State	
Email: gio@pimaoil.com	Pima Project #  - 74		by 8	by 8	121	09	01	0.00		ΣN				UT AZ	TX
Report due by:	T illia i roject #		ORO	ORO	by 8021	y 82	s 60.	de 3			¥		X		
Time Date Matrix No. of Containers Sampled Sampled Matrix	ample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	
1:28 7/15 S	CSW9	1								X					
4:33	CSW10	2								1					
4:38	CSWII	3													
4:41	CSWIZ	J													
4:46	CSW13	5													
4:50	CSW14	6													
4:53	CSWIS	7													
	CSW16	8													
	CSW17	9													
5:17	CSW18	10													
Additional Instructions:	Billing# 1007096	201													
, (field sampler), attest to the validity and authenticity late or time of collection is considered fraud and may	y of this sample. I am aware that tampering with or intentionally mislabelling be grounds for legal action.  Sampled by:	g the sample	locatio	on,					1997				ived on ice the day C on subsequent d		ed or received
Relinquished by: (Signature) Date 7116	0/24 Time 25 Referred by: (Signature)	Date 7-16-	24	Time	325	)	Rece	eived o	on ice:		ab U:	se Onl	У		
Refinguished by (Signature)  Date  Output  Date	e-24 1545 Received by: (Signature)	7,16.	щ	Time	ous	5	T1			<u>T2</u>			<u>T3</u>		
Relinquished by: (Signature) Date	4.24 Time Received by: (Signature)	7-17-2	74	Time	000		AVG	Temp	°c_	1					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aque		Container													
	ts are reported unless other arrangements are made. Hazardous si eived by the laboratory with this COC. The liability of the laboratory								at the cli	ent exp	ense.	The re	port for the an	alysis of the	above
Employ in Expension only to those campion rece	and the control of the control of the control of												rot		



**Project Information** 

Report due by:  Time Sampled Sampled Matrix Containers Sample ID  CSWI9  Pima Project # - 7 L  A A A A A A A A A A A A A A A A A A	CWA SDWA RCRA State UT AZ TX Remarks
Address: 5614 N. Lovington Hwy.  City, State, Zip Hobbs, NM, 88240  Phone: 806-782-1151  Email: gio@pimaoil.com  Report due by:  Time Sampled	State UT AZ TX
City, State, Zip Hobbs, NM, 88240   Phone: 806-782-1151   Email: gio@pimaoil.com   Pima Project #   -   7 L	State UT AZ TX
Phone: 806-782-1151	UT AZ TX
Email: gio@pimaoil.com         Pima Project #   -   7 L         88 A A A A A A A A A A A A A A A A A A	UT AZ TX
5-20 7/15 S 1 CSW19 11 X	
5-20 7/15 S 1 CSW19 11 X	Remarks
5,60 1114	
5:26 CSW20	
5:31 CSWZI 13	
5:39 CSW22 14	
5:43 CSW23	
Additional Instructions:  Billing # 100 7096201	
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:  Sample be sample location, packed in ice at an avg temp above 0 but less than 6 °C on subsequent day.	the Control of the Co
Relinquished by: (Signature)  Date 11/24 Time Provided by: (Signature)  Received by: (Signature)  Cavino Adam Place III/24 Time Lab Use Only  Received on ice: (Y) N	
Refinauished by: (Signature)  Time  7-16-24  Time	
Relinquished by: (Signature)  Date  Time  7-16-W 2230  Received by: (Signature)  Time  7-17-24 0600  AVG Temp °C  AVG Temp °C	
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 ana 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.	lysis of the above



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

#### **Envirotech Analytical Laboratory**

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 I	D: 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)			
<i>a</i>	G + 1 (GOG)						
	Custody (COC)		37				
	te sample ID match the COC? The number of samples per sampling site location mat	oh the COC	Yes				
	amples dropped off by client or carrier?	cii uie COC	Yes				
	e COC complete, i.e., signatures, dates/times, reques	stad analysas?	Yes Yes	Carrier: C	Couier		
	Il samples received within holding time?	sted analyses:	Yes				
J. Wele al	Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		108		Comn	nents/Resolution	
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Thistle Unit 6 has be	en separated into	
Sample C					multiple WO due to	nigh sample volume	<b>.</b>
	ample cooler received?		Yes		WO are E407123 and		
	was cooler received in good condition?		Yes			1 L-10 / 12-1.	
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4 c	<u>~</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.	>	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab			100				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
	reservation	40					
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	4-1-9	NA				
	filteration required and/or requested for dissolved m	ietais?	No				
	se Sample Matrix	_					
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborator		No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client In	<u>struction</u>						
						0	

Date

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6 Well Pad

Work Order: E409181

Job Number: 01058-0007

Received: 9/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/24

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: 9/30/24

Gio Gomez PO Box 247 Plains, TX 79355-0247

Project Name: Thistle Unit 6 Well Pad

Workorder: E409181

Date Received: 9/20/2024 7:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/20/2024 7:45:00AM, under the Project Name: Thistle Unit 6 Well Pad.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

Raina Schwanz

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/30/24 09:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E409181-01A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S1 - 2'	E409181-02A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S1 - 3'	E409181-03A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S1 - 4'	E409181-04A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S2 - 1'	E409181-05A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S2 - 2'	E409181-06A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S2 - 3'	E409181-07A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S2 - 4'	E409181-08A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S3 - 1'	E409181-09A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S3 - 2'	E409181-10A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S3 - 3'	E409181-11A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S3 - 4'	E409181-12A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S4 - 1'	E409181-13A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S4 - 2'	E409181-14A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S4 - 3'	E409181-15A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S4 - 4'	E409181-16A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S5 - 1'	E409181-17A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S5 - 2'	E409181-18A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S5 - 3'	E409181-19A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S5 - 4'	E409181-20A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

### S1 - 1' E409181-01

	Reporting					
Result	Limit	Diluti	ion Pre	epared	Analyzed	Notes
mg/kg	mg/kg	А	Analyst: IY			Batch: 2438150
ND	0.0250	1	09/	/20/24	09/27/24	
0.0460	0.0250	1	09/	/20/24	09/27/24	
ND	0.0250	1	09/	/20/24	09/27/24	
0.196	0.0250	1	09/	/20/24	09/27/24	
0.211	0.0500	1	09/	/20/24	09/27/24	
0.407	0.0250	1	09/	/20/24	09/27/24	
	96.6 %	70-130	09/	/20/24	09/27/24	
	102 %	70-130	09/	/20/24	09/27/24	
	103 %	70-130	09/	/20/24	09/27/24	
	103 /0	70-130	027	20,2,	03/2//2/	
mg/kg	mg/kg		Analyst: IY	20/21	V > 1 2 1 2 1	Batch: 2438150
mg/kg 25.2			Analyst: IY	/20/24	09/27/24	Batch: 2438150
	mg/kg	А	Analyst: IY			Batch: 2438150
	mg/kg 20.0	A 1	Analyst: IY 09/	/20/24	09/27/24	Batch: 2438150
	mg/kg 20.0 96.6 %	70-130	Analyst: IY  09/  09/	/20/24	09/27/24 09/27/24	Batch: 2438150
	mg/kg 20.0 96.6 % 102 %	70-130 70-130 70-130	Analyst: IY  09/  09/	/20/24 /20/24 /20/24	09/27/24 09/27/24 09/27/24	Batch: 2438150  Batch: 2438143
25.2	mg/kg 20.0 96.6 % 102 % 103 %	70-130 70-130 70-130	Analyst: IY  09/  09/  09/  09/  Analyst: AF	/20/24 /20/24 /20/24	09/27/24 09/27/24 09/27/24	
25.2 mg/kg	mg/kg 20.0 96.6 % 102 % 103 % mg/kg	A 1 1 70-130 70-130 70-130 A	Analyst: IY  09/ 09/ 09/ 09/ Analyst: AF 0 09/	/20/24 /20/24 /20/24 /20/24	09/27/24 09/27/24 09/27/24 09/27/24	
25.2 mg/kg 8250	mg/kg 20.0  96.6 % 102 % 103 %  mg/kg  500	A 1 70-130 70-130 70-130 A 20	Analyst: IY  09/ 09/ 09/ 09/ Analyst: AF  0 09/ 09/	/20/24 /20/24 /20/24 /20/24 /20/24	09/27/24 09/27/24 09/27/24 09/27/24 09/25/24	
25.2 mg/kg 8250	mg/kg 20.0  96.6 % 102 % 103 %  mg/kg  500 1000	A 1 70-130 70-130 A 20 20 50-200	Analyst: IY  09/ 09/ 09/ 09/ Analyst: AF  0 09/ 09/	/20/24 /20/24 /20/24 /20/24 /20/24 /20/24	09/27/24 09/27/24 09/27/24 09/27/24 09/25/24 09/25/24	
	mg/kg ND 0.0460 ND 0.196 0.211	Result         Limit           mg/kg         mg/kg           ND         0.0250           0.0460         0.0250           ND         0.0250           0.196         0.0250           0.211         0.0500           0.407         0.0250           96.6 %           102 %	Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           0.0460         0.0250         1           ND         0.0250         1           0.196         0.0250         1           0.211         0.0500         1           0.407         0.0250         1           96.6 %         70-130           102 %         70-130	Result         Limit         Dilution         Prediction           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09.0           0.0460         0.0250         1         09.0           ND         0.0250         1         09.0           0.196         0.0250         1         09.0           0.211         0.0500         1         09.0           0.407         0.0250         1         09.0           96.6%         70-130         09.0           102%         70-130         09.0	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09/20/24           0.0460         0.0250         1         09/20/24           ND         0.0250         1         09/20/24           0.196         0.0250         1         09/20/24           0.211         0.0500         1         09/20/24           0.407         0.0250         1         09/20/24           96.6 %         70-130         09/20/24           102 %         70-130         09/20/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09/20/24         09/27/24           0.0460         0.0250         1         09/20/24         09/27/24           ND         0.0250         1         09/20/24         09/27/24           0.196         0.0250         1         09/20/24         09/27/24           0.211         0.0500         1         09/20/24         09/27/24           0.407         0.0250         1         09/20/24         09/27/24           96.6 %         70-130         09/20/24         09/27/24



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S1 - 2' E409181-02

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/2	4 09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/2	4 09/27/24	
Toluene	ND	0.0250	1	09/20/2	4 09/27/24	
o-Xylene	ND	0.0250	1	09/20/2	4 09/27/24	
p,m-Xylene	ND	0.0500	1	09/20/2	4 09/27/24	
Total Xylenes	ND	0.0250	1	09/20/2	4 09/27/24	
Surrogate: Bromofluorobenzene		83.0 %	70-130	09/20/2	4 09/27/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	09/20/2	4 09/27/24	
Surrogate: Toluene-d8		99.7 %	70-130	09/20/2	4 09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/2	4 09/27/24	
Surrogate: Bromofluorobenzene		83.0 %	70-130	09/20/2	4 09/27/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	09/20/2	4 09/27/24	
Surrogate: Toluene-d8		99.7 %	70-130	09/20/2	4 09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	683	25.0	1	09/20/2	4 09/25/24	
Oil Range Organics (C28-C36)	268	50.0	1	09/20/2	4 09/25/24	
Surrogate: n-Nonane		112 %	50-200	09/20/2	4 09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2438155
Chloride	29.8	20.0	1	09/20/2	4 09/21/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

### S1 - 3' E409181-03

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438150
Renzene	ND	0.0250		1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/20/24	09/27/24	
Toluene	ND	0.0250		1	09/20/24	09/27/24	
o-Xylene	ND	0.0250		1	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/27/24	
Total Xylenes	ND	0.0250		1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		103 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		103 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	207	25.0		1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	69.7	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		116 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438155
Chloride	ND	20.0		1	09/20/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S1 - 4'

E4091	Q1	_04
E4091	OΙ	-U4

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2438150
Benzene	ND	0.0250	1	l	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	l	09/20/24	09/27/24	
Toluene	ND	0.0250	1	l	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	l	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1	l	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		99.7 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		99.7 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	,	Analyst: A	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	64.1	25.0	1		09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/20/24	09/25/24	
Surrogate: n-Nonane		113 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2438155
Amons by EFA 500.0/9030A							

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S2 - 1'

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	0.106	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	0.411	0.0250	1	09/20/24	09/27/24	
p,m-Xylene	0.626	0.0500	1	09/20/24	09/27/24	
Total Xylenes	1.04	0.0250	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	47.0	20.0	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	11000	500	20	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	2450	1000	20	09/20/24	09/25/24	
Surrogate: n-Nonane		136 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2438155



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S2 - 2'

E409181-06							
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2438150
Benzene	ND	0.0250	1	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	l	09/20/24	09/27/24	
Toluene	ND	0.0250	1	l	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	l	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1	l	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	l	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		75.6 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		100 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		75.6 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		100 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: A	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	832	25.0	1	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	299	50.0	1	l	09/20/24	09/25/24	
Surrogate: n-Nonane		112 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	OT		Batch: 2438155
Chloride	29.1	20.0	1	1	09/20/24	09/21/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S2 - 3' E409181-07

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2438150
Benzene	ND	0.0250	1		09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1		09/20/24	09/27/24	
Toluene	ND	0.0250	1		09/20/24	09/27/24	
o-Xylene	ND	0.0250	1		09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1		09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1		09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: AF			Batch: 2438143
Diesel Range Organics (C10-C28)	167	25.0	1		09/20/24	09/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/20/24	09/27/24	
Surrogate: n-Nonane		97.3 %	50-200		09/20/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2438155
Chloride	ND	20.0	1		09/20/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S2 - 4'

#### E409181-08

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		100 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		100 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	85.4	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		117 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: DT		Batch: 2438155
Amons by EPA 500.0/9050A	υ υ	0 0				



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S3 - 1'

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		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	0.215	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	0.551	0.0250	1	09/20/24	09/27/24	
p,m-Xylene	0.875	0.0500	1	09/20/24	09/27/24	
Total Xylenes	1.43	0.0250	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	72.3	20.0	1	09/20/24	09/27/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130	09/20/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	09/20/24	09/27/24	
Surrogate: Toluene-d8		102 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	17400	250	10	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	5510	500	10	09/20/24	09/25/24	
Surrogate: n-Nonane		162 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2438155
Chloride	26.0	20.0	1	09/20/24	09/21/24	·

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S3 - 2' E409181-10

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:		7 mary zea	Batch: 2438150
Volatile Organic Compounds by EPA 8260B				1	09/20/24	09/28/24	Batch. 2438130
Benzene	ND	0.0250		1	09/20/24	09/28/24	
Ethylbenzene	ND	0.0250		1			
Toluene	ND	0.0250		1	09/20/24	09/28/24	
o-Xylene	ND	0.0250		1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		72.2 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		72.2 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	695	25.0		1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	271	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		108 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2438155
Chloride	30.9	20.0		1	09/20/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S3 - 3' E409181-11

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Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg	D1	Analyst:	•	7 Hary Zea	Batch: 2438150
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	09/20/24	09/28/24	Batch: 2430130
Benzene	ND ND	0.0250		1	09/20/24	09/28/24	
Ethylbenzene Toluene	ND	0.0250		1	09/20/24	09/28/24	
o-Xylene	ND	0.0250		1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		92.5 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		92.5 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	197	25.0		1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	71.3	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		112 %	50-200	·	09/20/24	09/25/24	·
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2438155
Chloride	ND	20.0		1	09/20/24	09/21/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S3 - 4'

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		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438150
Benzene	ND	0.0250		1	09/20/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/20/24	09/28/24	
Toluene	ND	0.0250		1	09/20/24	09/28/24	
o-Xylene	ND	0.0250		1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250	1	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	56.8	25.0		1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		111 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2438155
-	ND	20.0		1	09/20/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S4 - 1'

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Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
				Analyst:	•	7 mary zea	Batch: 2438150
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Anaryst.		00/20/24	Batch: 2438130
Benzene	ND	0.0250	1		09/20/24	09/28/24	
Ethylbenzene	0.135	0.0250	1		09/20/24	09/28/24	
Toluene	ND	0.0250	1		09/20/24	09/28/24	
o-Xylene	0.354	0.0250	1		09/20/24	09/28/24	
p,m-Xylene	0.551	0.0500	1		09/20/24	09/28/24	
Total Xylenes	0.904	0.0250	1		09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		104 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst: 1	IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	51.4	20.0	1		09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		104 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	9090	250	10	0	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	2610	500	10	0	09/20/24	09/25/24	
Surrogate: n-Nonane		130 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	DT		Batch: 2438155
Chloride	197	20.0	1		09/20/24	09/21/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S4 - 2' E409181-14

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: Г	Y		Batch: 2438150
Benzene	ND	0.0250	1		09/20/24	09/28/24	
Ethylbenzene	ND	0.0250	1		09/20/24	09/28/24	
Toluene	ND	0.0250	1		09/20/24	09/28/24	
o-Xylene	ND	0.0250	1		09/20/24	09/28/24	
p,m-Xylene	ND	0.0500	1		09/20/24	09/28/24	
Total Xylenes	ND	0.0250	1		09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		75.8 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: I	Y		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		75.8 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: A	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	793	25.0	1		09/20/24	09/25/24	
Oil Range Organics (C28-C36)	307	50.0	1		09/20/24	09/25/24	
Surrogate: n-Nonane		113 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: Γ	DT		Batch: 2438155
Chloride	30.3	20.0	1		09/20/24	09/21/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S4 - 3' E409181-15

		Reporting					
Analyte	Result	Limit	Dilu	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2438150
Benzene	ND	0.0250	1	09/2	0/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/2	0/24	09/28/24	
Toluene	ND	0.0250	1	09/2	0/24	09/28/24	
o-Xylene	ND	0.0250	1	09/2	0/24	09/28/24	
p,m-Xylene	ND	0.0500	1	09/2	0/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/2	0/24	09/28/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130	09/2	0/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/2	0/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130	09/2	0/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/2	0/24	09/28/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130	09/2	0/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/2	0/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130	09/2	0/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: AF			Batch: 2438143
Diesel Range Organics (C10-C28)	197	25.0	1	09/2	0/24	09/25/24	
Oil Range Organics (C28-C36)	71.6	50.0	1	09/2	0/24	09/25/24	
Surrogate: n-Nonane		114 %	50-200	09/2	0/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2438155
Chloride	ND	20.0	1	09/2	0/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S4 - 4'

#### E409181-16

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438150
Benzene	ND	0.0250		1	09/20/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/20/24	09/28/24	
Toluene	ND	0.0250		1	09/20/24	09/28/24	
o-Xylene	ND	0.0250		1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250	·	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	76.6	25.0		1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		118 %	50-200		09/20/24	09/25/24	
A . 1 EDA 200 0/0056 A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438155
Anions by EPA 300.0/9056A	mg/kg	mg/ng					



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S5 - 1'

E4	<b>N</b> 01	01	17	7
17,44	1771	ΛI	-1/	

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/24	09/28/24	
Ethylbenzene	0.0995	0.0250	1	09/20/24	09/28/24	
Toluene	0.0355	0.0250	1	09/20/24	09/28/24	
o-Xylene	0.882	0.0250	1	09/20/24	09/28/24	
p,m-Xylene	1.69	0.0500	1	09/20/24	09/28/24	
Total Xylenes	2.57	0.0250	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		92.5 %	70-130	09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	50.8	20.0	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		92.5 %	70-130	09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	11400	500	20	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	3270	1000	20	09/20/24	09/25/24	
Surrogate: n-Nonane		135 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2438155
Chloride	3030	40.0	2	09/20/24	09/21/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S5 - 2'

E40	NQ 1	21	_1	Q

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438150
Benzene	ND	0.0250		1	09/20/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/20/24	09/28/24	
Toluene	ND	0.0250		1	09/20/24	09/28/24	
o-Xylene	ND	0.0250		1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		80.9 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		80.9 %	70-130		09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/20/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438143
Diesel Range Organics (C10-C28)	902	25.0		1	09/20/24	09/25/24	_
Oil Range Organics (C28-C36)	368	50.0		1	09/20/24	09/25/24	
Surrogate: n-Nonane		115 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438155



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S5 - 3' E409181-19

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst: IY		Batch: 2438150
Benzene	ND	0.0250	1	09/20/2	4 09/28/24	
Ethylbenzene	ND	0.0250	1	09/20/2	4 09/28/24	
Toluene	ND	0.0250	1	09/20/2	4 09/28/24	
o-Xylene	ND	0.0250	1	09/20/2	4 09/28/24	
p,m-Xylene	ND	0.0500	1	09/20/2	4 09/28/24	
Total Xylenes	ND	0.0250	1	09/20/2	4 09/28/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130	09/20/2	4 09/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/20/2	4 09/28/24	
Surrogate: Toluene-d8		101 %	70-130	09/20/2	4 09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY	Batch: 2438150	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/2	4 09/28/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130	09/20/2	4 09/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/20/2	4 09/28/24	
Surrogate: Toluene-d8		101 %	70-130	09/20/2	4 09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2438143
Diesel Range Organics (C10-C28)	213	25.0	1	09/20/2	4 09/25/24	
Oil Range Organics (C28-C36)	79.6	50.0	1	09/20/2	4 09/25/24	
Surrogate: n-Nonane		120 %	50-200	09/20/2	4 09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2438155
Chloride	ND	20.0	1	09/20/2	4 09/23/24	



Nonhalogenated Organics by EPA 8015D - DRO/ORO

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

### **Sample Data**

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

S5 - 4' E409181-20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analyst: IY			Batch: 2438150
Benzene	ND	0.0250	1	09/20/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/28/24	
Toluene	ND	0.0250	1	09/20/24	09/28/24	
o-Xylene	ND	0.0250	1	09/20/24	09/28/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130	09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/20/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2438150
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/28/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130	09/20/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/20/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/20/24	09/28/24	

Surrogate: n-Nonane		133 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2438155
Chloride	ND	20.0		1 09/20/24	09/23/24	

mg/kg

25.0

50.0

Analyst: AF

09/20/24

09/20/24

09/25/24

09/25/24

1

1

mg/kg

65.3

ND

Batch: 2438143

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6 Well PadReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez9/30/20249:50:01AM

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez				9/3	0/2024 9:50:01AN
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438150-BLK1)							Prepared: 09	9/20/24 Anal	yzed: 09/27/24
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	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS (2438150-BS1)							Prepared: 09	9/20/24 Anal	yzed: 09/27/24
Benzene	2.15	0.0250	2.50		86.2	70-130			
Ethylbenzene	2.23	0.0250	2.50		89.2	70-130			
Toluene	2.20	0.0250	2.50		88.0	70-130			
o-Xylene	2.21	0.0250	2.50		88.4	70-130			
o,m-Xylene	4.47	0.0500	5.00		89.3	70-130			
Total Xylenes	6.68	0.0250	7.50		89.0	70-130			
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
LCS Dup (2438150-BSD1)							Prepared: 09	9/20/24 Anal	yzed: 09/27/24
Benzene	2.21	0.0250	2.50		88.2	70-130	2.36	23	
Ethylbenzene	2.29	0.0250	2.50		91.6	70-130	2.70	27	
Foluene	2.24	0.0250	2.50		89.5	70-130	1.67	24	
o-Xylene	2.30	0.0250	2.50		92.2	70-130	4.19	27	
p,m-Xylene	4.57	0.0500	5.00		91.4	70-130	2.35	27	
Total Xylenes	6.88	0.0250	7.50		91.7	70-130	2.96	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			

0.500

0.506

70-130



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:Thistle Unit 6 Well PadReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez9/30/20249:50:01AM

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

Blank (2438150-BLK1)						Prepared: 09	9/20/24 An	alyzed: 09/27/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.476		0.500	95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500	102	70-130			
Surrogate: Toluene-d8	0.509		0.500	102	70-130			
LCS (2438150-BS2)						Prepared: 09	9/20/24 An	alyzed: 09/27/24
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	96.5	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500	98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500	102	70-130			
Surrogate: Toluene-d8	0.511		0.500	102	70-130			
LCS Dup (2438150-BSD2)						Prepared: 09	9/20/24 An	alyzed: 09/27/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	97.6	70-130	1.17	20	
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500	103	70-130			
Surrogate: Toluene-d8	0.509		0.500	102	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/30/2024 9:50:01AM

s by EPA 8015D - I	DRO/ORO		Amalyzati AE
_			Analyst: AF
el Result F		RPD Lim % %	nit
		Prepared: 09/20/24	4 Analyzed: 09/25/24
0	113 50-200		
		Prepared: 09/20/24	4 Analyzed: 09/25/24
) 9	98.7 38-132		
0	113 50-200		
		Prepared: 09/20/24	4 Analyzed: 09/25/24
0 1	103 38-132	4.09 20	1
0	113 50-200		
7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rel         Result mg/kg         Rec himits %         Limits %           0         II3         50-200           0         98.7         38-132           0         II3         50-200           0         103         38-132	Prepared: 09/20/24  0 113 50-200  Prepared: 09/20/24  0 98.7 38-132  0 113 50-200  Prepared: 09/20/24  0 103 38-132 4.09 20



Matrix Spike Dup (2438155-MSD1)

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	: 0	histle Unit 6 W 1058-0007 io Gomez	Vell Pad				<b>Reported:</b> 9/30/2024 9:50:01AM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438155-BLK1)							Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	ND	20.0							
LCS (2438155-BS1)							Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2438155-MS1)				Source:	E409181-	07	Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	268	20.0	250	ND	107	80-120			

250

20.0

Source: E409181-07

108

80-120

1.10

#### 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.



Prepared: 09/20/24 Analyzed: 09/21/24

20

### **Definitions and Notes**

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/30/24 09:50

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.

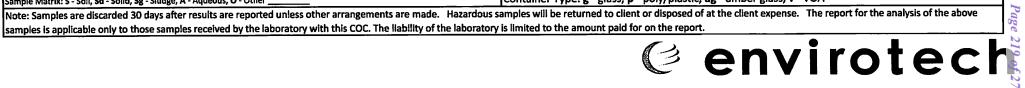
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: P	ima	Envi	ronme	ental S	Service	ces	, [		-	ົ	NOr	То					Lä	ab Us	se On	ly			П			AT		EPA P	rogram
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1	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)  Parime frame    Date   19/24   Time   Time   Lab Use Only   Parime   Parime   Time   Lab Use Only   Parime   Parime																													
Relinquish	ed by:	(Signa	ture)		Date	19-24	Time	45	1 4	ived by: (			Date	19.2		Time	715		T1				T2				<u>T3</u>		
Date Time Booked by Kingsture)						Date	10.2		Time	YE	<u></u>	AVG	Ton	on °c	_ (	 4													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Cont						ontainer Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Sam	nles a	re disc	arded a	O dave	ofter re	sults are re	ported	unless ot	er arra	angement	s are ma	de. Hazard															t for the ana	lysis of the	above
	ote: 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 imples 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.																												



roject Information	1				Cł	nain of Custod	у											Page <u>Z</u>	2 of <u>U</u>
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mail: gio@pim	aoil.com	<u> </u>		ŀ	Pima Project # 174 -2	)	8 2	8 4	ᄗ		ا ا	9,	1	Σ				UT AZ	TX
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l, (field sampler), attest to date or time of collection			nay be grounds f	for legal ac	ware that tampering with or Intentionally mis ction. <u>Sampled by:</u>			on,									ceived on ice the day to 6°C on subsequent da		ed or received
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Sample Matrix: S - Soil, S	l - Solid, Sg -					Containe	r Type	:: g - g	glass,	p - p:	oly/pl	astic,	ag - amb	er gla	ss, v -	VOA		<u> </u>	



Printed: 9/20/2024 10:27:09AM

#### **Envirotech Analytical Laboratory**

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.

Phone: (575) 631-6977 Email: gio@pimaoil.com  Chain of Custody (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location of the content of the	Date Logged In: Due Date:	09/19/24 1	5:01	Logged In By:	Noe Soto
Chain of Custody (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location. 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, to the contemporary of the contempory of the contemporary of the contemporary of the contemporary of	Due Date:				1100 5010
<ol> <li>Does the sample ID match the COC?</li> <li>Does the number of samples per sampling site locations.</li> <li>Were samples dropped off by client or carrier?</li> <li>Was the COC complete, i.e., signatures, dates/times, sometimes.</li> <li>Were all samples received within holding time?         <ul> <li>Note: Analysis, such as pH which should be conducted.</li> <li>i.e, 15 minute hold time, are not included in this discendence.</li> </ul> </li> <li>Sample Turn Around Time (TAT)</li> <li>Did the COC indicate standard TAT, or Expedited TATA.</li> <li>Sample Cooler.</li> <li>Was a sample cooler received?</li> <li>If yes, was cooler received in good condition?</li> <li>Were custody/security seals present?</li> <li>If yes, were custody/security seals intact?</li> <li>Was the sample received on ice? If yes, the recorded temp is Note: Thermal preservation is not required, if sampling in the sampling.</li> <li>If no visible ice, record the temperature. Actual sample Container.</li> <li>Are aqueous VOC samples present?</li> <li>Are vOC samples collected in VOA Vials?</li> <li>Is the head space less than 6-8 mm (pea sized or less than 6-8 mm (pea sized or less than 6-8 mm (pea sized or less than 6-8 mn (pea sized o</li></ol>	Due Dute.	09/26/24 1	7:00 (4 day TAT)		
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<ul> <li>11. If yes, were custody/security seals intact?</li> <li>12. Was the sample received on ice? If yes, the recorded temp in Note: Thermal preservation is not required, if sampling</li> <li>13. If no visible ice, record the temperature. Actual seance in Actual seance in Note: Actual seance i</li></ul>		Yes		The WOs are E409181	· ·
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<ul><li>17. Was a trip blank (TB) included for VOC analyses?</li><li>18. Are non-VOC samples collected in the correct conta</li></ul>	s)?	NA			
18. Are non-VOC samples collected in the correct conta	,	NA			
	ainers?	Yes			
19. Is the appropriate volume/weight or number of sample of	containers collected?	Yes			
Field Label  20. Were field sample labels filled out with the minimum Sample ID?	m information:	Yes			
Date/Time Collected? Collectors name?		Yes	-		
Sample Preservation		No			
21. Does the COC or field labels indicate the samples w	vere preserved?	No			
22. Are sample(s) correctly preserved?	, <b>F</b>	NA			
24. Is lab filteration required and/or requested for dissol	lved metals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., mu	ıltiphase?	No			
27. If yes, does the COC specify which phase(s) is to be	_	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract lab 29. Was a subcontract laboratory specified by the client	· · · · · · · · · · · · · · · · · · ·	No NA	Subcontract Lab	: NA	
<b>Client Instruction</b>					

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

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 6 Well Pad

Work Order: E409182

Job Number: 01058-0007

Received: 9/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/26/24

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: 9/26/24

Gio Gomez PO Box 247 Plains, TX 79355-0247

Project Name: Thistle Unit 6 Well Pad

Workorder: E409182

Date Received: 9/20/2024 7:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/20/2024 7:45:00AM, under the Project Name: Thistle Unit 6 Well Pad.

The analytical test results summarized in this report with the Project Name: Thistle Unit 6 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/26/24 16:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E409182-01A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S6 - 2'	E409182-02A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S6 - 3'	E409182-03A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
S6 - 4'	E409182-04A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW1	E409182-05A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW2	E409182-06A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW3	E409182-07A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW4	E409182-08A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW5	E409182-09A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
SW6	E409182-10A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BG1	E409182-11A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

### S6 - 1' E409182-01

		E409102-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Frepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	844	25.0	1	09/20/24	09/26/24	
Oil Range Organics (C28-C36)	389	50.0	1	09/20/24	09/26/24	
Surrogate: n-Nonane		119 %	50-200	09/20/24	09/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438157
Chloride	26.8	20.0	1	09/20/24	09/23/24	

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

S6 - 2'

		2107102 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· ·	mg/kg	mg/kg		yst: CG	rmaryzed	Batch: 2438146
Volatile Organics by EPA 8021B			1	09/20/24	09/20/24	Batch: 2430140
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	I	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	0.0519	0.0500	1	09/20/24	09/20/24	
Total Xylenes	0.0519	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	970	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	417	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		120 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2438157
Chloride	34.6	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

S6 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	288	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	117	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		114 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438157
<del></del>	ND	20.0		09/20/24	09/23/24	·



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

S6 - 4'

		D '				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: CG	TillaryZed	Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	50.8	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		117 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW1

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		114 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW2

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		120 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		117 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		118 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		112 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438157
	ND	20.0		09/20/24	09/23/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### SW6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/20/24	
Toluene	ND	0.0250	1	09/20/24	09/20/24	
o-Xylene	ND	0.0250	1	09/20/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6%	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	09/20/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		119 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2438157
Chloride	ND	20.0	1	09/20/24	09/24/24	



Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

#### BG1

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2438146
Benzene	ND	0.0250	1	09/20/24	09/21/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/21/24	
Toluene	ND	0.0250	1	09/20/24	09/21/24	
o-Xylene	ND	0.0250	1	09/20/24	09/21/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/21/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/21/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	09/20/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2438146
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	09/20/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2438142
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		118 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2438157
	ND	20.0		09/20/24	09/24/24	



### **QC Summary Data**

		QC SI	umm	ary Dat	a				
Pima Environmental Services-Carlsbac PO Box 247	d	Project Name: Project Number:	0	histle Unit 6 V 1058-0007	Well Pad				Reported:
Plains TX, 79355-0247		Project Manager:		Gio Gomez					9/26/2024 4:32:08PM
		Volatile O	rganics	by EPA 802	21B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438146-BLK1)							Prepared: 0	9/20/24 <i>A</i>	Analyzed: 09/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			
LCS (2438146-BS1)							Prepared: 0	9/20/24 A	Analyzed: 09/20/24
Benzene	4.57	0.0250	5.00		91.3	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.65	0.0250	5.00		92.9	70-130			
o-Xylene	4.59	0.0250	5.00		91.7	70-130			
o,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			
Matrix Spike (2438146-MS1)				Source:	E409176-	07	Prepared: 0	9/20/24 A	Analyzed: 09/20/24
Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Coluene	5.10	0.0250	5.00	ND	102	61-130			
p-Xylene	5.03	0.0250	5.00	ND	101	63-131			
o,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.5	70-130			
Matrix Spike Dup (2438146-MSD1)				Source:	E409176-	07	Prepared: 0	9/20/24 A	Analyzed: 09/20/24
Benzene	4.95	0.0250	5.00	ND	99.0	54-133	1.41	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	0.933	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	1.17	20	
o-Xylene	5.00	0.0250	5.00	ND	100	63-131	0.576	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.870	20	
T + 137 1	15.0	0.0050	150	NID	101	(2.121	0.772	20	



15.2

7.19

0.0250

15.0

8.00

ND

101

89.9

63-131

70-130

0.773

20

p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle Unit 6 Well Pad 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez					9/26/2024 4:32:08PM
	Nor	nhalogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2438146-BLK1)							Prepared: 0	9/20/24 A	nalyzed: 09/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
LCS (2438146-BS2)							Prepared: 0	9/20/24 A	nalyzed: 09/20/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			
Matrix Spike (2438146-MS2)				Source:	E409176-	07	Prepared: 0	9/20/24 A	nalyzed: 09/20/24
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			
Matrix Spike Dup (2438146-MSD2)				Source:	E409176-	07	Prepared: 0	9/20/24 A	nalyzed: 09/20/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130	0.742	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			

# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 6 Well Pad	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/26/2024 4:32:08PM

Plains TX, 79355-0247		Project Manager	r: Gi	o Gomez				ç	9/26/2024 4:32:08PN	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: AF	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2438142-BLK1)							Prepared: 0	9/20/24 An	alyzed: 09/25/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	56.9		50.0		114	50-200				
LCS (2438142-BS1)							Prepared: 0	9/20/24 An	alyzed: 09/25/24	
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132				
Surrogate: n-Nonane	66.1		50.0		132	50-200				
LCS Dup (2438142-BSD1)							Prepared: 0	9/20/24 An	alyzed: 09/25/24	
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	24.0	20	R3	
Surrogate: n-Nonane	57.7		50.0		115	50-200				

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbac	i	Project Name:	T	histle Unit 6 V	Well Pad				Reported:
PO Box 247		Project Number:	0	1058-0007					
Plains TX, 79355-0247		Project Manager	: G	io Gomez					9/26/2024 4:32:08PM
		Anions	by EPA 3	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438157-BLK1)							Prepared: 0	9/20/24 A	nalyzed: 09/23/24
Chloride	ND	20.0							
LCS (2438157-BS1)							Prepared: 0	9/20/24 A	nalyzed: 09/23/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2438157-MS1)				Source:	E409182-	02	Prepared: 0	9/20/24 A	nalyzed: 09/23/24
Chloride	287	20.0	250	34.6	101	80-120			
Matrix Spike Dup (2438157-MSD1)				Source:	E409182-	02	Prepared: 0	9/20/24 A	nalyzed: 09/23/24

250

20.0

34.6

102

80-120

0.405

#### 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 Well Pad	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/26/24 16:32

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



ect Information	Chain of Custody	/												Page _	7 2 of	4
nt: Pima Environmental Services ect: This Fle Unit 6 Deliver Attention: Devon	То	Ι		La	b Us	e Onl	у				Т/	AT .		EPA	Progra	m
		Lab,	WO#	21-1	_	Job N	lumbe	r	1D	2D	3D	Star	dard	CWA	SD\	NΑ
ect Manager: Gio Gomez Address:		EG	9	1/8		<u>610</u>	<u>58·1</u>	<u> </u>				<u> </u>				
ress: 5614 N. Lovington Hwy. City, State, Zip						Analys	is and I	Method							RC	RA
, State, Zip Hobbs, NM. 88240 Phone:								Ì				<b> </b>		Chana		
ne: 806-782-1151	<u> </u>	3015	3015			- 1						<u> </u>	nal co	State UT A	z   TX	
ail: gio@pimaoil.com ort due by: Pima Project #	4-2	þ	à þ	021	82	요	900	ļ	Σ	¥			r	01   4	<del></del>	-
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me Date Matrix No. of Containers Sample ID	Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	86000			_	Remar	KS	
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17   SW5	9															
23 SW6	10															
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ole Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Containe															
e: Samples are discarded 30 days after results are reported unless other arrangements are mar ples is applicable only to those samples received by the laboratory with this COC. The liability								the clie	nt exp	ense.	The	report fo	or the ana	alysis of t	ne above	,



Client: P	ima Env	ironmen	tal Servi	ces.			D. Bill	То		Г		Li	ab Us	se Onl	У			1		T/	AT		EPA P	rogram
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	gio@pim	aoil.com	1	<del></del>	l	Dim	na Project# [7	42		⊗  }	ρ Α	17	B	<sub>e</sub>	0.0			Σ					UT AZ	TX
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Sample Mat	rix: S - Soil, S	d - Solid, <b>S</b> g -		queous, O - Ot					Containe		:: g - g	glass,						r glas	ss, v -	VOA				
						ess othe	r arrangements are mad	de. Hazardous s													report	t for the ana	lysis of the	above
samples is	applicable of	nly to thos	e samples r	eceived by th	ne laborat	tory with	this COC. The liability of	of the laboratory	is limited to	the a	moun	t paid	i for o	n the re	port	:.								



Printed: 9/20/2024 10:32:29AM

#### **Envirotech Analytical Laboratory**

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:	09/20/24	07:45	Work Order ID: E409182
Phone:	(575) 631-6977	Date Logged In:	09/19/24	16:02	Logged In By: Noe Soto
Email:	gio@pimaoil.com	Due Date:	09/26/24	17:00 (4 day TAT)	
Chain of	Custody (COC)				
			37		
	ne sample ID match the COC?  The number of samples per sampling site location mate	oh the COC	Yes		
	amples dropped off by client or carrier?	ii tile COC	Yes		
	1 11 7	. 1 1 0	Yes	Carrier: C	<u>Courier</u>
	e COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes		
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		Comments/Resolution
Sample T	Turn Around Time (TAT)	•••			
	COC indicate standard TAT, or Expedited TAT?		Yes		NO. Of Containers and sampled by name
Sample C	•		140		are missing on COC by client. Project
	sample cooler received?		Yes		
	was cooler received in good condition?		Yes		Thistle Unit 6 Well Pad has been separated
	e sample(s) received intact, i.e., not broken?				into 2 WOs due to high sample volume.
			Yes		The WOs are E409181 & E409182.
	custody/security seals present?		No		
-	, were custody/security seals intact?		NA		
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes		
	visible ice, record the temperature. Actual sample	temperature: 4 (	<u> </u>		
	Container VOC		3.7		
	queous VOC samples present?		No		
	OC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
	trip blank (TB) included for VOC analyses?		NA		
	on-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes		
Field Lal	<del></del>				
	field sample labels filled out with the minimum info	mation:	37		
	ample ID? ate/Time Collected?		Yes		
	ollectors name?		Yes No		
	reservation		110		
	the COC or field labels indicate the samples were pro	eserved?	No		
	ample(s) correctly preserved?		NA		
	filteration required and/or requested for dissolved me	etals?	No		
	se Sample Matrix		110		
	the sample have more than one phase, i.e., multiphas	o?	NT-		
	, does the COC specify which phase(s) is to be analyst		No		
		zeu:	NA		
	act Laboratory				
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if		No NA	Subcontract Lab	o: NA
Client I	nstruction				

Date

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Thistle Unit #6

Work Order: E410150

Job Number: 01058-0007

Received: 10/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/16/24

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: 10/16/24

Gio Gomez PO Box 247

Plains, TX 79355-0247

Project Name: Thistle Unit #6

Workorder: E410150

Date Received: 10/16/2024 7:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2024 7:45:00AM, 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit #6	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/16/24 15:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 - Bottom	E410150-01A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CS2 - Bottom	E410150-02A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CS3 - Bottom	E410150-03A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW1- Comp	E410150-04A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW2- Comp	E410150-05A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW3- Comp	E410150-06A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW4- Comp	E410150-07A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW5- Comp	E410150-08A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.
CSW6- Comp	E410150-09A	Soil	10/15/24	10/16/24	Glass Jar, 2 oz.



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	10/16/2024 3:20:19PM

### CS1 - Bottom E410150-01

		E410130-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG	<u> </u>	Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	182	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	53.0	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		85.2 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	

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	10/16/2024 3:20:19PM

#### CS2 - Bottom E410150-02

		E410150-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG	· · · · · · · · · · · · · · · · · · ·	Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
o,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	363	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	112	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		97.8 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CS3 - Bottom

		E410150-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
p-Xylene	ND	0.0250	1	10/16/24	10/16/24	
o,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		89.9 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	442	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	149	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		101 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CSW1- Comp

		E410150-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: CG		Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2442094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2442081	
Diesel Range Organics (C10-C28)	173	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	62.9	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		108 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CSW2- Comp E410150-05

		E410130-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: CG			Batch: 2442094		
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Coluene	ND	0.0250	1	10/16/24	10/16/24	
-Xylene	0.0285	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	0.0652	0.0500	1	10/16/24	10/16/24	
Total Xylenes	0.0937	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg mg/kg Analyst: NV			Batch: 2442081	
Diesel Range Organics (C10-C28)	419	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	158	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		109 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	_



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	10/16/2024 3:20:19PM

### CSW3- Comp E410150-06

		E-10130-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: CG	·	Batch: 2442094
Benzene	mg/kg ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	287	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	116	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		107 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CSW4- Comp E410150-07

		E-10130-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: CG		Batch: 2442094
Benzene	mg/kg ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	26.4	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		97.5 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CSW5- Comp E410150-08

		L-110130 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	0.0257	0.0250	1	10/16/24	10/16/24	
o,m-Xylene	0.0622	0.0500	1	10/16/24	10/16/24	
Total Xylenes	0.0879	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	248	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	98.8	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		95.7 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



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	10/16/2024 3:20:19PM

### CSW6- Comp E410150-09

		L-110130 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	rst: CG		Batch: 2442094
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
oluene	ND	0.0250	1	10/16/24	10/16/24	
-Xylene	ND	0.0250	1	10/16/24	10/16/24	
,m-Xylene	0.0517	0.0500	1	10/16/24	10/16/24	
Total Xylenes	0.0517	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: CG		Batch: 2442094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2442081
Diesel Range Organics (C10-C28)	197	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	75.0	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		96.4 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2442091
Chloride	ND	20.0	1	10/16/24	10/16/24	



### **QC Summary Data**

Thistle Unit #6 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Gio Gomez 10/16/2024 3:20:19PM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2442094-BLK1) Prepared: 10/16/24 Analyzed: 10/16/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.12 8.00 102 70-130 LCS (2442094-BS1) Prepared: 10/16/24 Analyzed: 10/16/24 4.78 95.6 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 4.75 0.0250 5.00 95.0 70-130 Toluene 93.2 o-Xylene 4.66 0.0250 5.00 70-130 9.52 10.0 95.2 70-130 0.0500 p.m-Xvlene 94.6 70-130 14.2 15.0 Total Xylenes 0.0250 8.00 101 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.10 Matrix Spike (2442094-MS1) Source: E410150-06 Prepared: 10/16/24 Analyzed: 10/16/24 6.07 0.0250 5.00 ND 121 54-133 Benzene ND 61-133 Ethylbenzene 5.93 0.0250 5.00 119 Toluene 6.02 0.0250 5.00 ND 120 61-130 ND 119 63-131 5.96 5.00 0.0250 o-Xylene p,m-Xylene 12.1 0.0500 10.0 ND 121 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.53 8.00 Matrix Spike Dup (2442094-MSD1) Source: E410150-06 Prepared: 10/16/24 Analyzed: 10/16/24 5.57 0.0250 5.00 ND 111 54-133 8.62 61-133 5.45 0.0250 5.00 ND 109 8.37 20 Ethylbenzene

61-130

63-131

63-131

63-131

70-130

8 50

8.56

8.38

8.44

20

20

20

20



5.53

5.47

11.1

16.6

8.40

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

111

109

111

111

105

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

## **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	10/16/2024 3:20:19PM

Plains TX, 79355-0247		Project Manage	r: Gi	o Gomez				10/	16/2024 3:20:19PI
	Non	halogenated	Organics l	y EPA 80	15D - Gl	RO			Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2442094-BLK1)							Prepared: 10	0/16/24 Ana	lyzed: 10/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			
LCS (2442094-BS2)							Prepared: 10	0/16/24 Ana	lyzed: 10/16/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			
Matrix Spike (2442094-MS2)				Source:	E410150-	06	Prepared: 10	0/16/24 Ana	lyzed: 10/16/24
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			
Matrix Spike Dup (2442094-MSD2)				Source:	E410150-	06	Prepared: 10	0/16/24 Ana	yzed: 10/16/24
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130	0.479	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			



## **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Thistle Unit #6Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Gio Gomez10/16/20243:20:19PM

1 mms 12t, 79555 0247		1 Toject Manage	. 01	o Gomez						
	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 (2442081-BLK1)							Prepared: 1	0/15/24 An	alyzed: 10/15/24	
Diesel Range Organics (C10-C28)	ND	25.0					Trepureu. I	0,10,21,111	, 200. 10/10/21	
Oil Range Organics (C10-C28)	ND	50.0								
Surrogate: n-Nonane	46.8		50.0		93.5	50-200				
LCS (2442081-BS1)							Prepared: 1	0/15/24 An	alyzed: 10/15/24	
Diesel Range Organics (C10-C28)	261	25.0	250		105	38-132				
Surrogate: n-Nonane	51.0		50.0		102	50-200				
LCS Dup (2442081-BSD1)							Prepared: 1	0/15/24 An	alyzed: 10/15/24	
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	0.433	20		
Surrogate: n-Nonane	50.6		50.0		101	50-200				

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbac PO Box 247	d	Project Name: Project Number:		nistle Unit #6 058-0007					Reported:
Plains TX, 79355-0247		Project Manager	: Gi	o Gomez					10/16/2024 3:20:19PM
		Anions	by EPA 3	00.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442091-BLK1)							Prepared: 1	0/16/24 Aı	nalyzed: 10/16/24
Chloride	ND	20.0							
LCS (2442091-BS1)							Prepared: 1	0/16/24 Aı	nalyzed: 10/16/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2442091-MS1)				Source:	E410149-	03	Prepared: 1	0/16/24 Aı	nalyzed: 10/16/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2442091-MSD1)				Source:	E410149-	03	Prepared: 1	0/16/24 Aı	nalvzed: 10/16/24

250

20.0

80-120

#### 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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit #6	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/16/24 15:20

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.



Client: 1	Pima E	ndironmen	ilal sc	rvices		T	□ Bill To		<del></del>	Γ		La	ab Ūs	e On	lv		1			T/	AT	_	EPA P	ogram
Project:	Thistle	Unit #	6			Attentio	( 100 Le -		· 	Lab	WO#			l dot	Num			1D	2D	3D		andard	CWA	SDWA
		9:0 G		<del></del>		Address	:			E410150 01058-0007				X					-					
Address:	5614	N. Louin	iton H	ury		City, Sta			<del></del>					Analy	sis a	nd Me	thod							RCRA
	e, Zip: H	obbs K	M 88	260	2	Phone:										i I								
Phone:	<u> </u>					Email:				015	8015	1	ĺ	1									State	
		pima	ail, com	<u> </u>		Dima (	Project # 174	.7		P &	į š	17	ြင္ယ	e	80.0	lΙ		N				NM CO	UT AZ	TX
Report d	ue by:			<del></del> -		1 11110	TOJECK # 1 / 1		T	8	2	28 AC	/ 82	<u>8</u>	, e				¥			$X^{\prime}$		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by 8015	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0			всрос	вевос				Remarks	
8:00	10/15	5		CS	<u> </u>	Botto	m		<b>√</b> 3									X						
8:16				CS	2-	Botto	m		2															
8.21				CS	3-	Bott			3															
825				CSI	<u>11</u>	- Con			4															
8:34				CSI	21/	-Con	nP.		5															
8:43				CSU	NZ.	-Con	IP.		6															
8:56				CSI	NH	-Cov	np.		7														_	
9:11				CSU	いら	- CON	1P.		8										-					
9:17	1	-		CSu	16.	-Con -Cov -Com	ID,		9															
									i)															
Addition	al Instruc	tions:		•		Bi	11ing# 2	1309	3909	7														
I, (field samp	oler), attest t	the validity	and authent	icity of this san	ple. I an	n aware that ta	mpering with or intentiona	lly mislabellir	g the sample	location	on,					-						on ice the day		ed or received
			fraud and n	nay be grounds	for legal		Sampled by:		<u> </u>					packed	in ice	at an av	g temp		_			subsequent da	ys. 	
Relinguish	ed by: (Sign YML 4	Hooms	Date IC	15/24	7. Z	10 Reg	eived by: (Signature) Nichelle Gon	zales	Date	4		10		Rece	eivec	l on i	ce:	La V	ab Us N	se On	nly			
		ture) onzal	Date O-	15.24	Time 161	5 Ref	eiyed by: (Signature)		Date 6.15.	24	Time	615	<u>,                                     </u>	T1_				T2_				<u>T3</u>	1855, 1. (1)	
Relinquish	ed by: (Sign	ature) —	Date	15.24	Time	30 Rec	eived by: (Signature)	40	Date 1016		Time	45	5	AVG	Ten	າp ⁰C	4			en Fari				kanala Marijan Ka
Sample Mat				queous, O - Ot				71	Containe							·		r glas	s, v -	VOA				
						less other arr	angements are made.	Hazardous s									_				report	for the ana	lysis of the	above
samples is	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.																							

ent or disposed of at the client expense. The report for the analysis of the above or on the report.

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Control terms of the analysis of the above or on the report.

Printed: 10/16/2024 8:51:32AM

### **Envirotech Analytical Laboratory**

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:	10/16/24 (	07:45		Work Order ID:	E410150
Phone:	(575) 631-6977	Date Logged In:	10/15/24 1	.5:03		Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	10/16/24	17:00 (0 day TAT)			
Chain of Chain Cha	Custody (COC)  e sample ID match the COC?  e number of samples per sampling site location manapples dropped off by client or carrier?  e COC complete, i.e., signatures, dates/times, requell samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi urn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?	tch the COC sted analyses?	Yes Yes Yes No Yes Yes Yes Yes	(7:00 (0 day TAT)	Sampled 1	Comment by and no of c on COC per cl	
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling risible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	ontainer						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa Da	tel Tield sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes No				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
28. Are sa	act Laboratory mples required to get sent to a subcontract laborato subcontract laboratory specified by the client and i	-	No NA	Subcontract Lab	o: NA		
Client In	struction						

Date

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

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

QUESTIONS

Action 394665

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2406623089	
Incident Name	NAPP2406623089 THISTLE UNIT 6 @ 30-025-34767	
Incident Type	Oil Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-34767] THISTLE UNIT #006	

ocation of Release Source		
Please answer all the questions in this group.		
Site Name	THISTLE UNIT 6	
Date Release Discovered	03/05/2024	
Surface Owner	State	

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

Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Coupling   Crude Oil   Released: 8 BBL   Recovered: 8 BBL   Lost: 0 BBL.			
Produced Water Released (bbls) Details	Not answered.			
Is the concentration of chloride in the produced water >10,000 mg/l	No			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A valve broke on the back of a tank and spilled old oil onto the ground. The hole in the valve was plugged and a truck recovered the spilled fluid.			

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

QUESTIONS, Page 2

Action 394665

QUESTIONS	(continued)
QUESTIONS!	(COHUHUCU)

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Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 10/22/2024

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

QUESTIONS, Page 3

Action 394665

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the			
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 ti	nat apply or are indicated. This information must be provided t	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 de	monstrating the lateral and vertical extents of soil contamination	on 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	al extents of contamination been fully delineated	Yes
Was this release entirely of	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	3650
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	14723
GRO+DRO	(EPA SW-846 Method 8015M)	72
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complet relines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
On what estimated date wi	Il the remediation commence	10/08/2024
On what date will (or did) the	ne final sampling or liner inspection occur	10/08/2024
On what date will (or was)	the remediation complete(d)	10/09/2024
What is the estimated surfa	ace area (in square feet) that will be reclaimed	459
What is the estimated volu	me (in cubic yards) that will be reclaimed	17
What is the estimated surfa	ace area (in square feet) that will be remediated	459
What is the estimated volu	me (in cubic yards) that will be remediated	17
These estimated dates and measu	rements are recognized to be the best guess or calculation at t	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propose	d remediation measures may have to be minimally adjusted in	accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 394665

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
his remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

Name: Dale Woodall
Title: EHS Professional
Email: Dale.Woodall@dvn.com
Date: 10/22/2024

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

Released to Imaging: 2/11/2025 11:39:22 AM

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

QUESTIONS, Page 5

Action 394665

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

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

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

QUESTIONS, Page 6

Action 394665

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	391796
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2024
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	460

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	459
What was the total volume (cubic yards) remediated	17
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	459
What was the total volume (in cubic yards) reclaimed	17
Summarize any additional remediation activities not included by answers (above)	"The location is scheduled for reclamation, and the open excavation will not be backfilled until reclamation occurs."

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: Dale.Woodall@dvn.com

Date: 10/22/2024

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 7

Action 394665

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

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

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

CONDITIONS

Action 394665

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	394665
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
nvele	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	2/11/2025