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# SITE ASSESSMENT, REMEDIATION AND CLOSURE REPORT

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Devon Energy  
**Thistle Unit #65H**  
Incident ID: NRM2019860183

Prepared By:  
Pima Environmental Services, LLC.

Prepared For:  
Devon Energy Production, LP

SEPTEMBER 18, 2024  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 Lovington Hwy, Hobbs, NM 88240

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



September 18, 2024

Bureau of Land Management  
620 East Green Street  
Carlsbad, NM 88220

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

**Re: Site Assessment, Remediation and Closure Report**  
**Thistle Unit #65H**  
**API No. 30-025-41303**  
**GPS: Latitude 32.2542877 Longitude -103.5721207**  
**UL P, Sec. 33, T23S, R33E**  
**Lea County, NM**  
**NMOCD Ref. No. NRM2019860183**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation and submit this closure report for a produced water release that occurred at the Thistle Unit #65H (Thistle). The initial C-141 was submitted on July 8, 2020. This incident was assigned Incident ID NRM2019860183 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Thistle is located approximately twenty-four (24) miles northwest of Jal, NM. This spill site is in Unit P, Section 33, Township 23S, Range 33E, Latitude 32.2542877 Longitude -103.5721207, Lea County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is greater than 55 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 22 feet BGS. The groundwater information from C-04595-POD1, which is approximately 0.41 miles east of this release area, establishes a lack of groundwater at 55' bgs. This POD was drilled and recorded by Atkins Engineering in March of 2022. The bore was left open for the required 72-hour timeframe then checked for saturation. No saturation was encountered, the well was then plugged. Depth to groundwater at the Thistle will be classified as 51-100' BGS. Reference water surveys, pod information, and water-related maps can be found in Appendix A. The closest waterway is a Salt Playa located approximately 9.87 miles to the northeast of this location. See Appendix A for referenced water surveys.

**Table 1 NMAC and Closure Criteria 19.15.29**

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

Reference Figure 2 for a Topographic Map.



### Release Information

**NRM2019860183:** On July 6, 2020, a release occurred due to surface casing valve found open and flowing fluid. The valve handle was added to shut valve and wing valve. The released fluids were calculated to be approximately 363 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 301 bbls of total fluid from the impacted area.

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

On August 20, 2020, SMA personnel performed site delineation activities at the Thistle Unit #65H site. SMA collected soil samples around the release site and throughout the visibly stained area. The area(s) of visual impact was located partially within the boundary of the developed production facility, and partially in the pasture.

On October 19, 2020, Devon submitted a remediation plan written by SMA for this incident.

On March 19, 2021, the NMOCD reviewed and rejected the remediation plan as submitted.

On June 27, 2022, and July 11, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area at various depths. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6-27-22 & 7-11-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to GW = 51-100')									
DEVON ENERGY -- THISTLE UNIT 65H									
Date: 6/27/22 & 7/11/22			NM Approved Laboratory Results						
Sample ID	Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG-1	6/27/2022	0-6"	ND	ND	ND	ND	ND	0	ND
BG-2	6/27/2022	0-6"	ND	ND	ND	ND	ND	0	ND
SW-1	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
SW-2	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
SW-3	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
SW-4	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
SW-5	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
S-1	6/27/2022	1'	ND	ND	ND	ND	ND	0	197
	7/11/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	3'	ND	ND	ND	ND	ND	0	ND
	6/27/2022	4'	ND	ND	ND	ND	ND	0	ND
S-2	6/27/2022	1'	ND	ND	ND	ND	ND	0	120
	7/11/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	3'	ND	ND	ND	ND	ND	0	ND
	6/27/2022	4'	ND	ND	ND	ND	ND	0	ND
S-3	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	3'	ND	ND	ND	ND	ND	0	ND
S-4	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	3'	ND	ND	ND	ND	ND	0	ND
S-5	6/27/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	1'	ND	ND	ND	ND	ND	0	ND
	7/11/2022	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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Based on the soil sample results, and research with the production department at Devon Energy, we conclude that due to surface scraping and excavating of the spill area by a roustabout company and basic site maintenance, the contamination levels have been sufficiently neutralized in accordance with Table 1 of NMAC 19.15.29.1. Contaminated soil was hauled to R360, an NMOCD-approved disposal site, the surrounding pad area was utilized as backfill, packed and recontoured to match its previous state.

#### Countermeasures Due to Rejection (NMOCD Application ID: 169463)

On February 10, 2023, the NMOCD denied the remediation closure report citing:

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141) for Incident ID (n#) NRM2019860183, for the following reasons:

- **Closure Report Denied. Previous Remediation Plan (SMA 10/15/2020) indicated high levels of chloride (>20,000 mg/kg) and TPH (>100 mg/kg) from surface-2' and as noted no active remediation occurred. Current report mentions excavation but you did not provide supporting data. In addition, chlorides do naturally attenuate. Please collect soil samples below 4'-6' to demonstrate chloride concentrations >10,000 mg/kg are not present.**

In response to the rejected closure report Pima returned to the Thistle on April 8, 2023, per the NMOCD to collect additional soil samples. Site Map 2 can be found in Figure 5. Pima utilized a backhoe to collect soil samples S1-S5 at a depth of 4'-6' bgs. Laboratory results of this sampling event can be found in the following data table.

4-8-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater 51-100')									
DEVON ENERGY THISTLE UNIT 65 H									
			NM Approved Laboratory Results						
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	4/8/2023	4'	ND	ND	ND	ND	ND	0	ND
		5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S-2		4'	ND	ND	ND	ND	ND	0	ND
		5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S-3		4'	ND	ND	ND	ND	ND	0	ND
		5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S-4		4'	ND	ND	ND	ND	ND	0	ND
		5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S-5		4'	ND	ND	ND	ND	ND	0	ND
		5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
SW 1		6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND	
SW 3	6"	ND	ND	ND	ND	ND	0	ND	
SW 4	6"	ND	ND	ND	ND	ND	0	ND	
BG 1	6"	ND	ND	ND	ND	ND	0	ND	

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.





Based on the soil sample results, and research with the production department at Devon Energy, we conclude that due to surface scraping and excavating of the spill area by a roustabout company and basic site maintenance, the contamination levels have been sufficiently neutralized in accordance with Table 1 of NMAC 19.15.29.1. Contaminated soil was hauled to R360, an NMOCD-approved disposal site, the surrounding pad area was utilized as backfill, packed and recontoured to match its previous state.

#### **Countermeasures Due to Rejection (NMOCD Application ID: 209638)**

On July 14, 2023, the NMOCD denied the remediation closure report citing:

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NRM2019860183, for the following reasons:

- Latest closure report stated, “Based on the soil sample results, and research with the production department at Devon Energy, we conclude that due to surface scraping and excavating of the spill area by a roustabout company and basic site maintenance, the contamination levels have been sufficiently neutralized in accordance with the Table 1 of NMAC 19.15.29.12”. No supporting documentation was provided for the remedial activity. Devon must furnish all reference to this event(s), including date(s) when this occurred, any disposal manifest documents, and sampling data, if any. February 10, 2023, OCD denial of closure report also mentioned this along with stating that “chlorides do not naturally attenuate”. Devon should take into account the duration of time since the date of discovery (DOD) and how the release has been altered over the last 3 years.
- Per Paragraph 1 of Subsection D of 19.15.29.12 NMAC, which states, “The responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples must be analyzed for the constituents listed in Table 1 of 19.15.29.12 NMAC or constituents from other applicable remediation standards”. Any wet or discolored areas from the release would not likely be present 3 years after the DOD. Sample collection from the same proximity of the initial remediation plan delineation sampling should have been re-investigated and expanded to confirm the horizontal and vertical extent of the impacts. Delineation of a large areal extent presented from this release will require a substantial number of points in order to achieve the horizontal extent.
- Delineation points can be used towards achieving closure, but it must be completed per Subparagraph a of Paragraph 1 of Subsection D of 19.15.29.12 NMAC (key verbiage being final sampling).
- OCD was not provided with any dates or times when the photos in the report were collected nor any explanation for any of the individual imageries presented.
- The closure report presented “generalities” rather than specifics as it pertained to this incident. Soil lithology, specific sample point locations (e.g. gps coordinates or from a point of reference), and photos with details to the imageries along with date and time are all essential to understanding the incident from its conception to its final closure.

In response to the closure report rejection, Devon submitted a remediation work plan (NMOCD Application ID: 357239) it was approved by NMOCD on July 2, 2024. The work plan proposed to excavate the original release area shown in SMA’s remediation plan. The area totaled 16,792 sq ft at an average depth of 4 feet below grade surface, approximately 2,487 cubic yards as the first phase of reclamation.

On August 21, 2024, Devon dispatched a construction crew to begin excavating the area, samples were collected and tested at the surface and subsequent samples were collected 1’ at a time totaling no less than 4’ until the contaminated soil was removed. Once the contaminated soil was removed from the pad and pasture area it was hauled off and disposed of at Owl North Delaware Basin, a NMOCD- approved facility.

After submitting a 48-hour sampling notification (Appendix C), Pima returned to the Thistle on September 5, 2024, to conduct confirmation sampling on the excavated area. Pima collected eighty-four 5-point composite bottom samples at 4’ labeled CS1- CS84 and sixteen 5-point composite sidewall samples 0-4’ labeled CSW1-CSW16. Composite samples collected represented no more than

200 square feet from the base and walls of the excavated area. Laboratory results from this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5. Samples results confirmed that the contamination was

removed from the excavated area. On September 13, 2024, Devon returned to the Thistle to backfill the excavated area with clean, like material. Photographic documentation of the remediation and backfilling can be found in Appendix D.



## 9-5-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #65H								
Date: 9-5-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	4' Composite	ND	ND	ND	ND	ND	0	ND
CS2	4' Composite	ND	ND	ND	ND	ND	0	ND
CS3	4' Composite	ND	ND	ND	ND	ND	0	ND
CS4	4' Composite	ND	ND	ND	ND	ND	0	ND
CS5	4' Composite	ND	ND	ND	ND	ND	0	ND
CS6	4' Composite	ND	ND	ND	ND	ND	0	ND
CS7	4' Composite	ND	ND	ND	ND	ND	0	ND
CS8	4' Composite	ND	ND	ND	ND	ND	0	ND
CS9	4' Composite	ND	ND	ND	ND	ND	0	ND
CS10	4' Composite	ND	ND	ND	ND	ND	0	ND
CS11	4' Composite	ND	ND	ND	ND	ND	0	ND
CS12	4' Composite	ND	ND	ND	ND	ND	0	ND
CS13	4' Composite	ND	ND	ND	ND	ND	0	ND
CS14	4' Composite	ND	ND	ND	ND	ND	0	ND
CS15	4' Composite	ND	ND	ND	ND	ND	0	ND
CS16	4' Composite	ND	ND	ND	ND	ND	0	ND
CS17	4' Composite	ND	ND	ND	ND	ND	0	ND
CS18	4' Composite	ND	ND	ND	ND	ND	0	ND
CS19	4' Composite	ND	ND	ND	ND	ND	0	ND
CS20	4' Composite	ND	ND	ND	ND	ND	0	ND
CS21	4' Composite	ND	ND	ND	ND	ND	0	ND
CS22	4' Composite	ND	ND	ND	ND	ND	0	ND
CS23	4' Composite	ND	ND	ND	ND	ND	0	ND
CS24	4' Composite	ND	ND	ND	ND	ND	0	ND



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #65H								
Date: 9-5-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS25	4' Composite	ND	ND	ND	ND	ND	0	ND
CS26	4' Composite	ND	ND	ND	ND	ND	0	ND
CS27	4' Composite	ND	ND	ND	ND	ND	0	ND
CS28	4' Composite	ND	ND	ND	ND	ND	0	ND
CS29	4' Composite	ND	ND	ND	ND	ND	0	ND
CS30	4' Composite	ND	ND	ND	ND	ND	0	ND
CS31	4' Composite	ND	ND	ND	ND	ND	0	ND
CS32	4' Composite	ND	ND	ND	ND	ND	0	ND
CS33	4' Composite	ND	ND	ND	ND	ND	0	ND
CS34	4' Composite	ND	ND	ND	ND	ND	0	ND
CS35	4' Composite	ND	ND	ND	ND	ND	0	ND
CS36	4' Composite	ND	ND	ND	ND	ND	0	ND
CS37	4' Composite	ND	ND	ND	ND	ND	0	ND
CS38	4' Composite	ND	ND	ND	ND	ND	0	ND
CS39	4' Composite	ND	ND	ND	ND	ND	0	ND
CS40	4' Composite	ND	ND	ND	ND	ND	0	ND
CS41	4' Composite	ND	ND	ND	ND	ND	0	ND
CS42	4' Composite	ND	ND	ND	ND	ND	0	ND
CS43	4' Composite	ND	ND	ND	ND	ND	0	ND
CS44	4' Composite	ND	ND	ND	ND	ND	0	ND
CS45	4' Composite	ND	ND	ND	ND	ND	0	ND
CS46	4' Composite	ND	ND	ND	ND	ND	0	ND
CS47	4' Composite	ND	ND	ND	ND	ND	0	ND
CS48	4' Composite	ND	ND	ND	ND	ND	0	ND



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #65H								
Date: 9-5-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS49	4' Composite	ND	ND	ND	ND	ND	0	ND
CS50	4' Composite	ND	ND	ND	ND	ND	0	ND
CS51	4' Composite	ND	ND	ND	ND	ND	0	ND
CS52	4' Composite	ND	ND	ND	ND	ND	0	ND
CS53	4' Composite	ND	ND	ND	ND	ND	0	ND
CS54	4' Composite	ND	ND	ND	ND	ND	0	ND
CS55	4' Composite	ND	ND	ND	ND	ND	0	ND
CS56	4' Composite	ND	ND	ND	ND	ND	0	ND
CS57	4' Composite	ND	ND	ND	ND	ND	0	ND
CS58	4' Composite	ND	ND	ND	ND	ND	0	ND
CS59	4' Composite	ND	ND	ND	ND	ND	0	ND
CS60	4' Composite	ND	ND	ND	ND	ND	0	ND
CS61	4' Composite	ND	ND	ND	ND	ND	0	ND
CS62	4' Composite	ND	ND	ND	ND	ND	0	ND
CS63	4' Composite	ND	ND	ND	ND	ND	0	ND
CS64	4' Composite	ND	ND	ND	ND	ND	0	ND
CS65	4' Composite	ND	ND	ND	ND	ND	0	ND
CS66	4' Composite	ND	ND	ND	ND	ND	0	ND
CS67	4' Composite	ND	ND	ND	ND	ND	0	ND
CS68	4' Composite	ND	ND	ND	ND	ND	0	ND
CS69	4' Composite	ND	ND	ND	ND	ND	0	ND
CS70	4' Composite	ND	ND	ND	ND	ND	0	ND
CS71	4' Composite	ND	ND	ND	ND	ND	0	ND
CS72	4' Composite	ND	ND	ND	ND	ND	0	ND



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #65H								
Date: 9-5-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS73	4' Composite	ND	ND	ND	ND	ND	0	ND
CS74	4' Composite	ND	ND	ND	ND	ND	0	ND
CS75	4' Composite	ND	ND	ND	ND	ND	0	ND
CS76	4' Composite	ND	ND	ND	ND	ND	0	ND
CS77	4' Composite	ND	ND	ND	ND	ND	0	ND
CS78	4' Composite	ND	ND	ND	ND	ND	0	ND
CS79	4' Composite	ND	ND	ND	ND	ND	0	ND
CS80	4' Composite	ND	ND	ND	ND	ND	0	ND
CS81	4' Composite	ND	ND	ND	ND	ND	0	ND
CS82	4' Composite	ND	ND	ND	ND	ND	0	ND
CS83	4' Composite	ND	ND	ND	ND	ND	0	ND
CS84	4' Composite	ND	ND	ND	ND	ND	0	ND
CSW1	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW2	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW3	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW4	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW5	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW6	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW7	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW8	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW9	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW10	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW11	0-4' composite	ND	ND	ND	45.1	ND	45.1	ND
CSW12	0-4' composite	ND	ND	ND	25.4	ND	25.4	ND
CSW13	0-4' composite	ND	ND	ND	ND	ND	0	ND

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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Thistle Unit #65H								
Date: 9-5-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CSW14	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW15	0-4' composite	ND	ND	ND	ND	ND	0	ND
CSW16	0-4' composite	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

### Closure Request

After careful review, Pima requests that this incident, NRM2019860183 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 DelRae Geller at 806-724-5391 or [delrae@pimaoil.com](mailto:delrae@pimaoil.com).

Respectfully,

*DelRae Geller*

DelRae Geller  
Project Manager  
Pima Environmental Services, LLC.

### Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

5-Site Map 2


6-Confirmation Sample Map

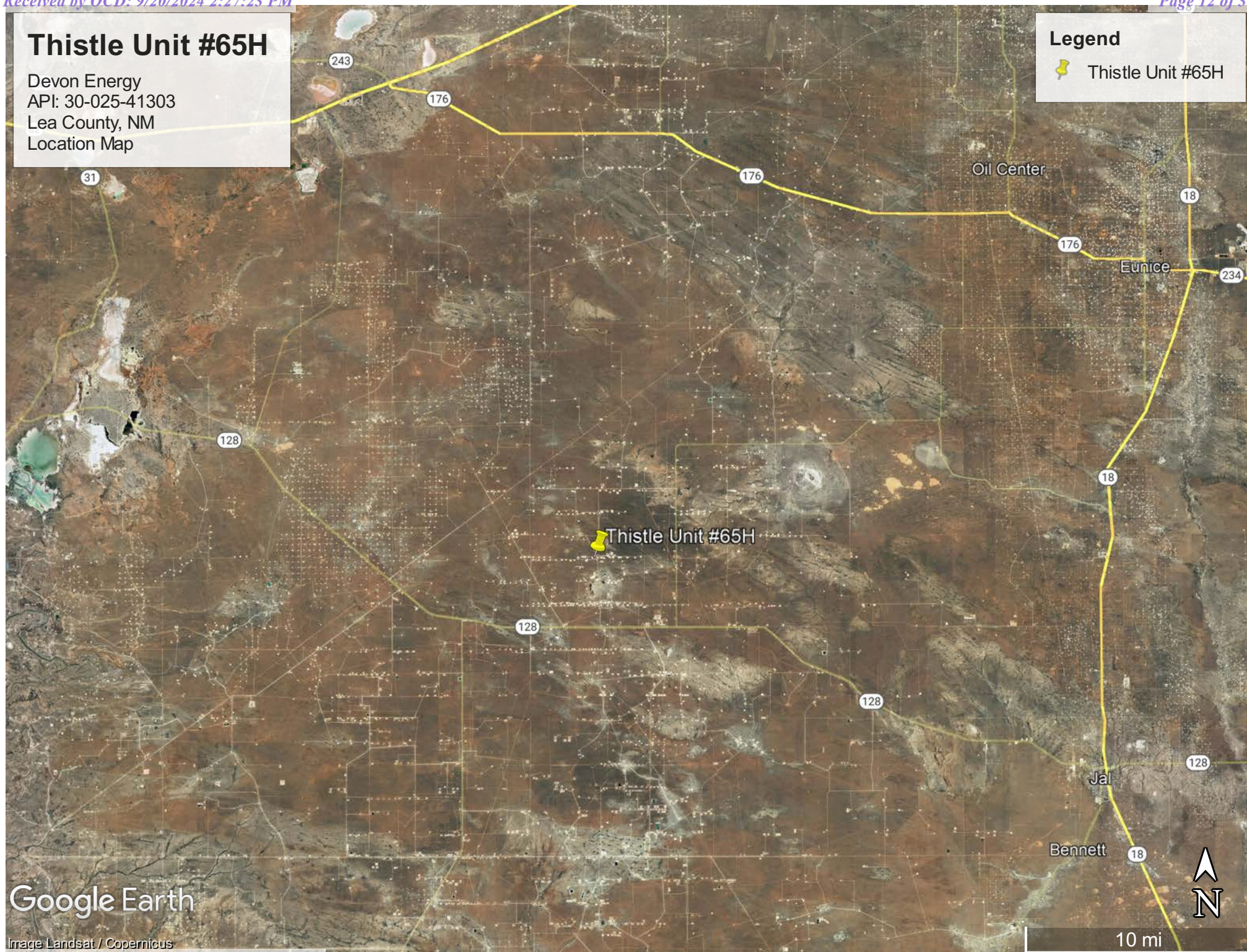


## Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Location Map

### Legend

 Thistle Unit #65H



Google Earth

Image Landsat / Copernicus

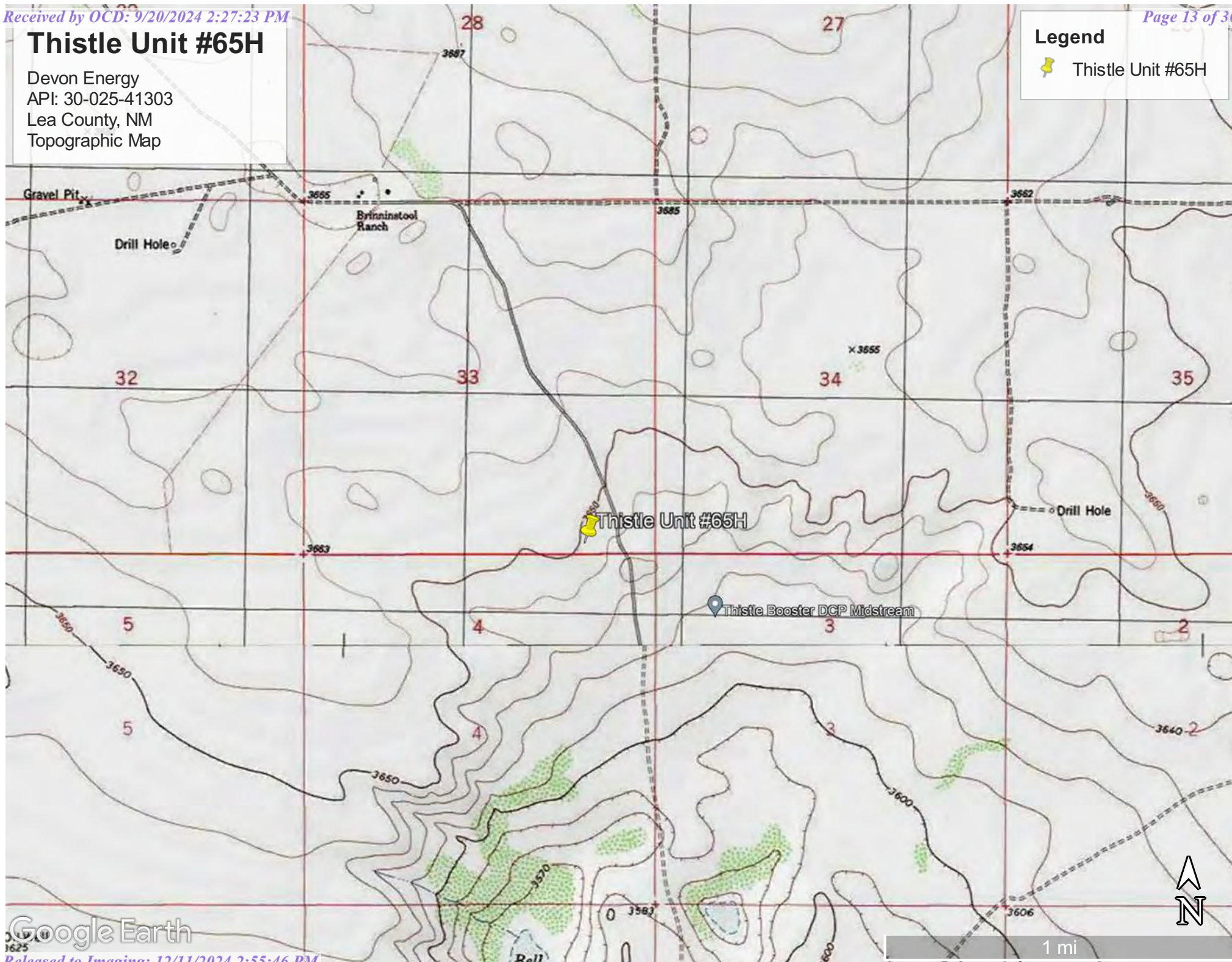


# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Topographic Map

## Legend

 Thistle Unit #65H



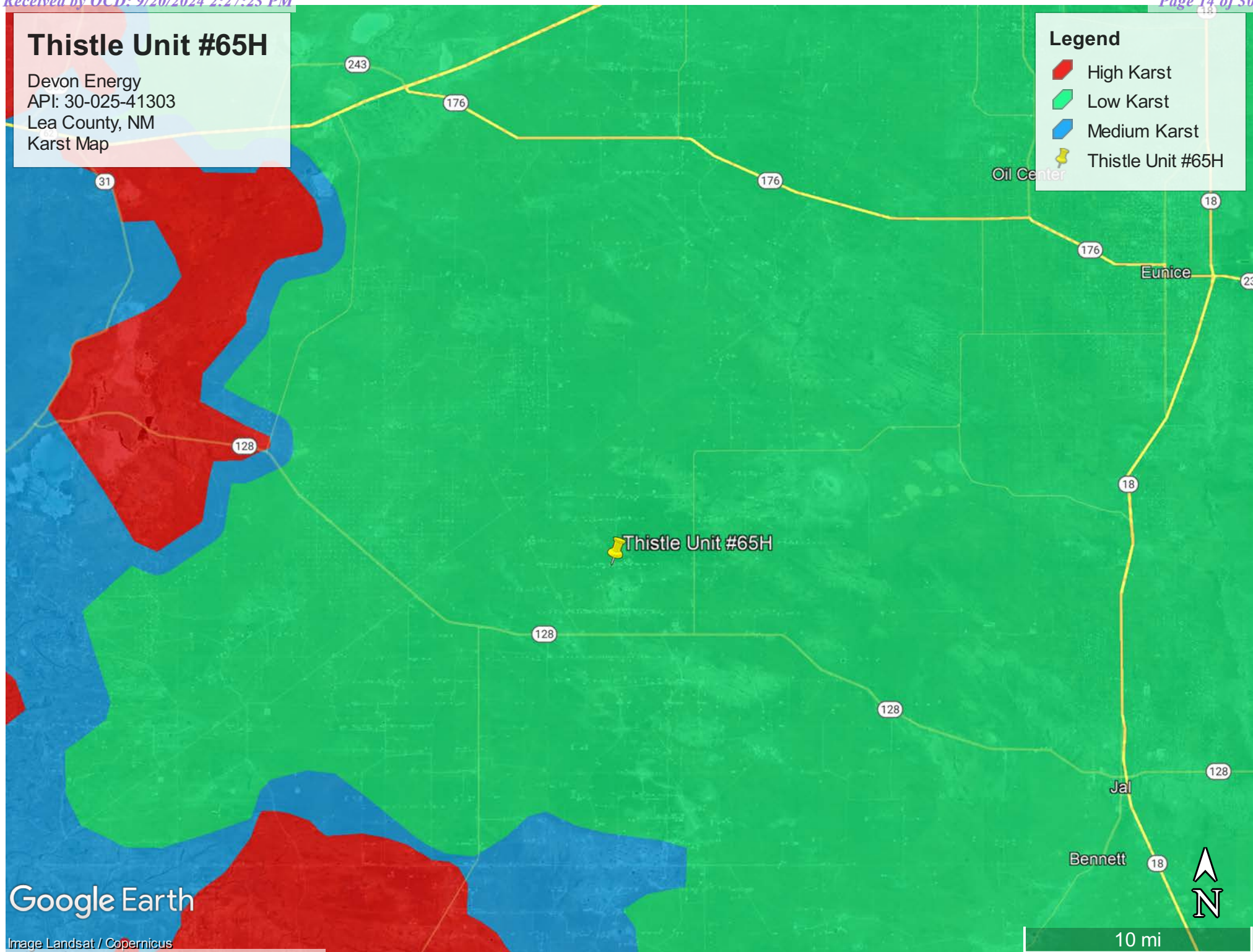


# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Karst Map

## Legend

- High Karst
- Low Karst
- Medium Karst
- Thistle Unit #65H



Google Earth

Image Landsat / Copernicus

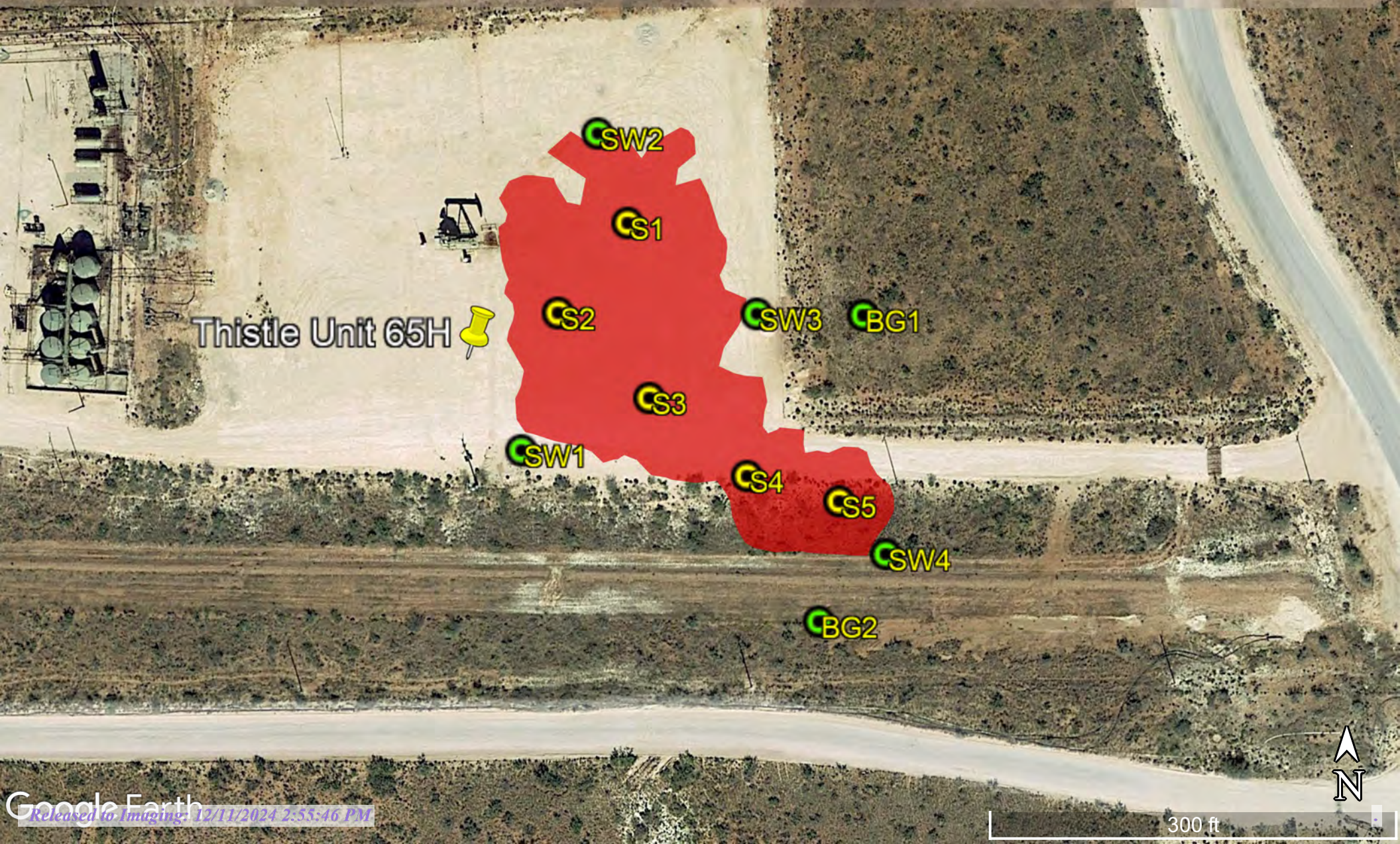


# Thistle Unit 65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Site Map

## Legend

- Background/Sidewalls Samples
- Thistle Unit 65H
- Samples
- Spill area







# Thistle Unit 65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Site Map 2

## Legend

-  Release Area
-  Soil Samples





# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Confirmation Sample Map

Legend

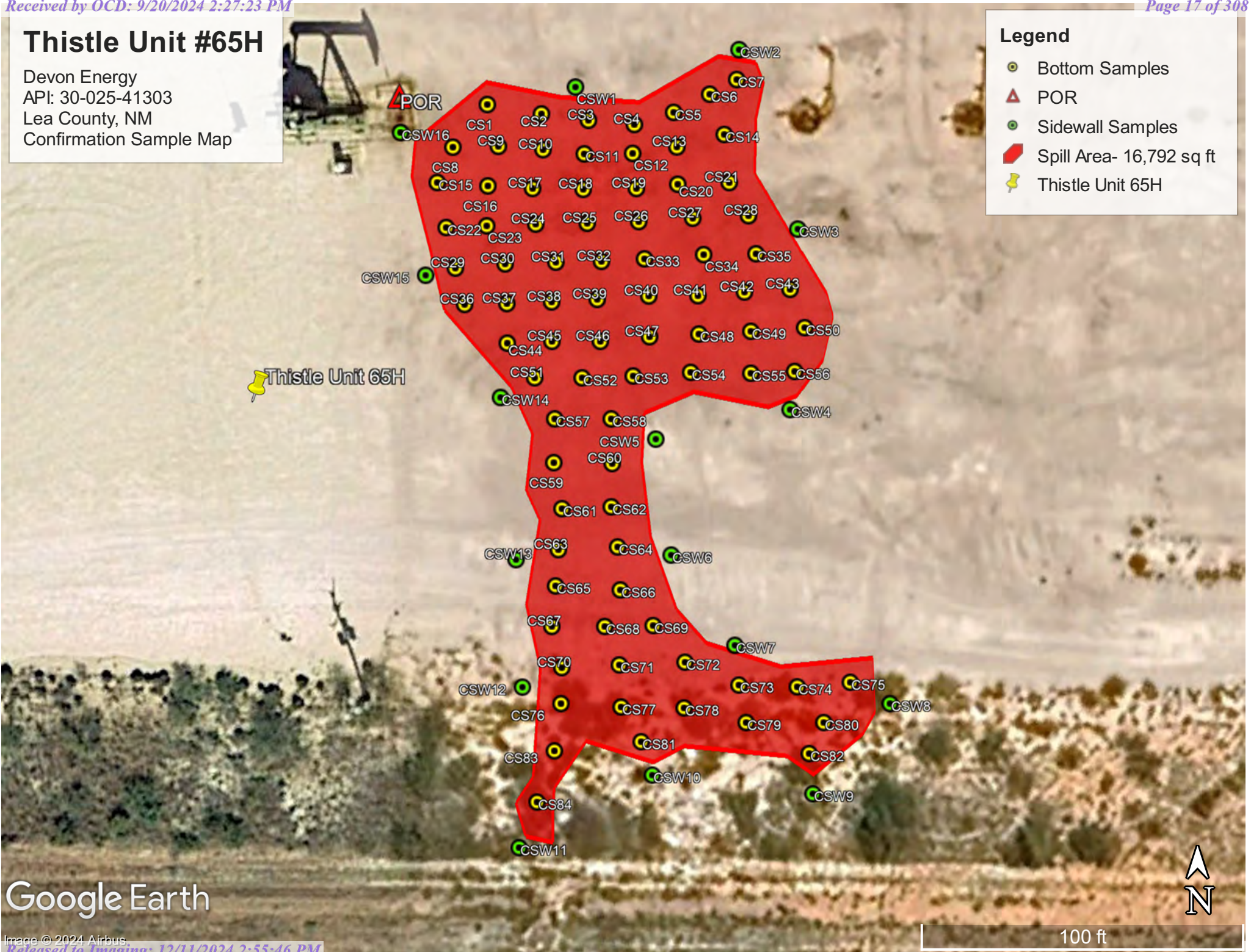
 Bottom Samples

 POR

 Sidewall Samples

 Spill Area- 16,792 sq ft

 Thistle Unit 65H



Google Earth



Pima Environmental Services

## **Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C_04595 POD1</a>		CUB	LE	4	3	3	34	23S	33E	635150	3569564	647	55		
<a href="#">C_02281</a>		CUB	LE	3	4	4	28	23S	33E	634495	3571183*	1666	545	400	145
<a href="#">C_02279</a>		CUB	LE	3	4	3	28	23S	33E	633691	3571173*	1845	650	400	250
<a href="#">C_03591 POD1</a>		CUB	LE	2	1	4	05	24S	33E	632731	3568518	2034			
<a href="#">C_02280</a>		CUB	LE	3	2	4	28	23S	33E	634489	3571586*	2069	650	400	250
<a href="#">C_02308</a>		CUB	LE	1	3	1	10	24S	33E	634953	3567364*	2198	40	20	20
<a href="#">C_02278</a>		CUB	LE	3	4	2	28	23S	33E	634484	3571989*	2472	650	400	250
<a href="#">C_03565 POD3</a>		CUB	LE		3	4	08	24S	33E	632763	3566546	3441			1533
<a href="#">C_04551 POD1</a>		CUB	LE	4	4	3	31	23S	33E	630671	3569556	3833			
<a href="#">C_02277</a>		CUB	LE	2	3	4	20	23S	33E	632663	3572970*	3913	550	400	150
<a href="#">C_02284</a>		CUB	LE	4	2	4	26	23S	33E	637907	3571626*	4003	325	225	100
<a href="#">C_02283</a>		CUB	LE	4	2	2	26	23S	33E	637896	3572431*	4472	325	225	100
<a href="#">C_02282</a>		CUB	LE	3	1	1	25	23S	33E	638098	3572436*	4630	325	225	100
<a href="#">C_04014 POD5</a>		CUB	LE	1	4	2	01	24S	33E	639284	3569086	4799	95	85	10
<a href="#">C_04014 POD4</a>		CUB	LE	3	4	2	01	24S	33E	639295	3568859	4835	96	86	10
<a href="#">C_02430</a>		CUB	LE	3	3	3	16	24S	33E	633377	3564732*	4915	643	415	228
<a href="#">C_02431</a>		CUB	LE	4	4	4	17	24S	33E	633175	3564728*	4969	525	415	110
<a href="#">C_02432</a>		CUB	LE	4	4	4	17	24S	33E	633175	3564728*	4969	640	415	225

Average Depth to Water: **376 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

**Record Count:** 18

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 634504.18

**Northing (Y):** 3569516.1

**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.

6/22/22 2:33 PM


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	Tw	Rng	X	Y
NA	C 04595 POD1	4	3	3	34	23S	33E	635150	3569564 
<hr/>									
<b>Driller License:</b> 1249		<b>Driller Company:</b> ATKINS ENGINEERING ASSOC. INC.							
<b>Driller Name:</b> JACKIE ATKINS									
<b>Drill Start Date:</b> 03/09/2022		<b>Drill Finish Date:</b> 03/09/2022				<b>Plug Date:</b> 03/31/2022			
<b>Log File Date:</b> 04/04/2022		<b>PCW Rev Date:</b>				<b>Source:</b>			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>			
<b>Casing Size:</b>		<b>Depth Well:</b> 55 feet				<b>Depth Water:</b>			

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.

11/15/22 8:46 AM




POINT OF DIVERSION SUMMARY



# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
OSE Pod Map

## Legend

-  C 04595 POD1
-  Thistle Unit 65H
-  0.41 Miles

Thistle Unit #65H

C 04595 POD1

Google Earth

1000 ft







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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation



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

### Search Results -- 1 sites found

site\_no list =

- 321348103340401

Minimum number of levels = 1

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

### USGS 321348103340401 24S.33E.10.13123

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°14'04.9", Longitude 103°34'02.4" NAD83

Land-surface elevation 3,592 feet above NAVD88

The depth of the well is 36 feet below land surface.

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

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

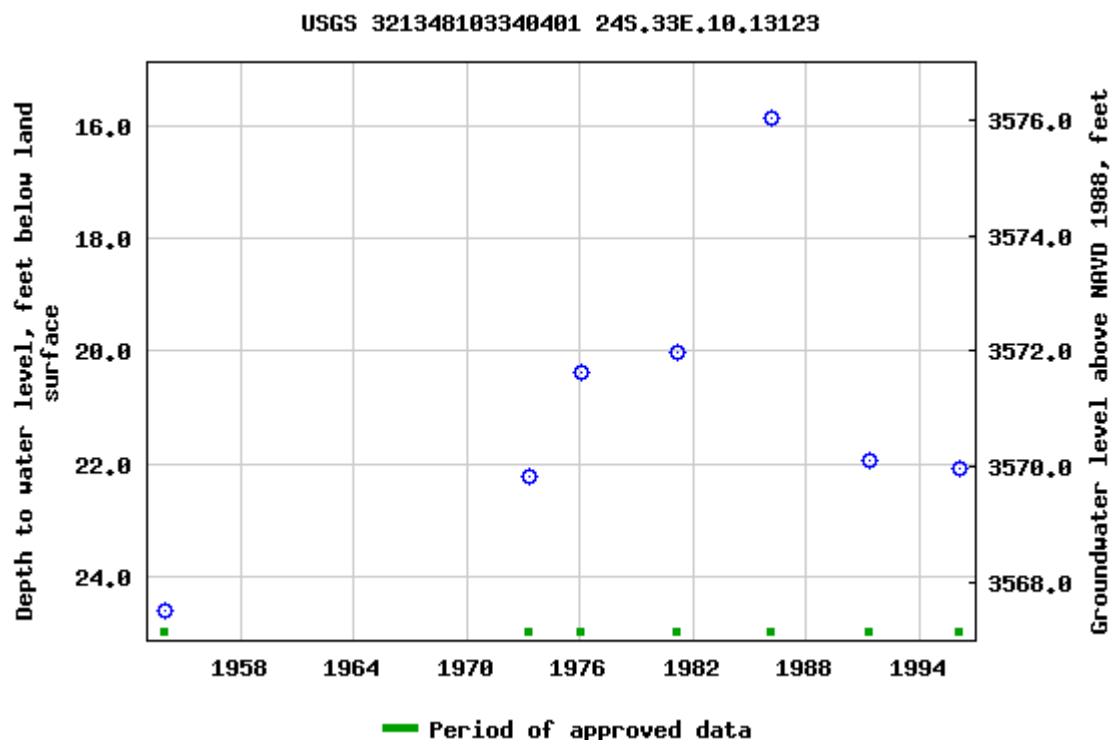
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

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[Automated retrievals](#)

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[Data Tips](#)

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[FOIA](#)

[Privacy](#)

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

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



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

Page Last Modified: 2022-11-15 11:18:41 EST

0.56 0.48 nadww02

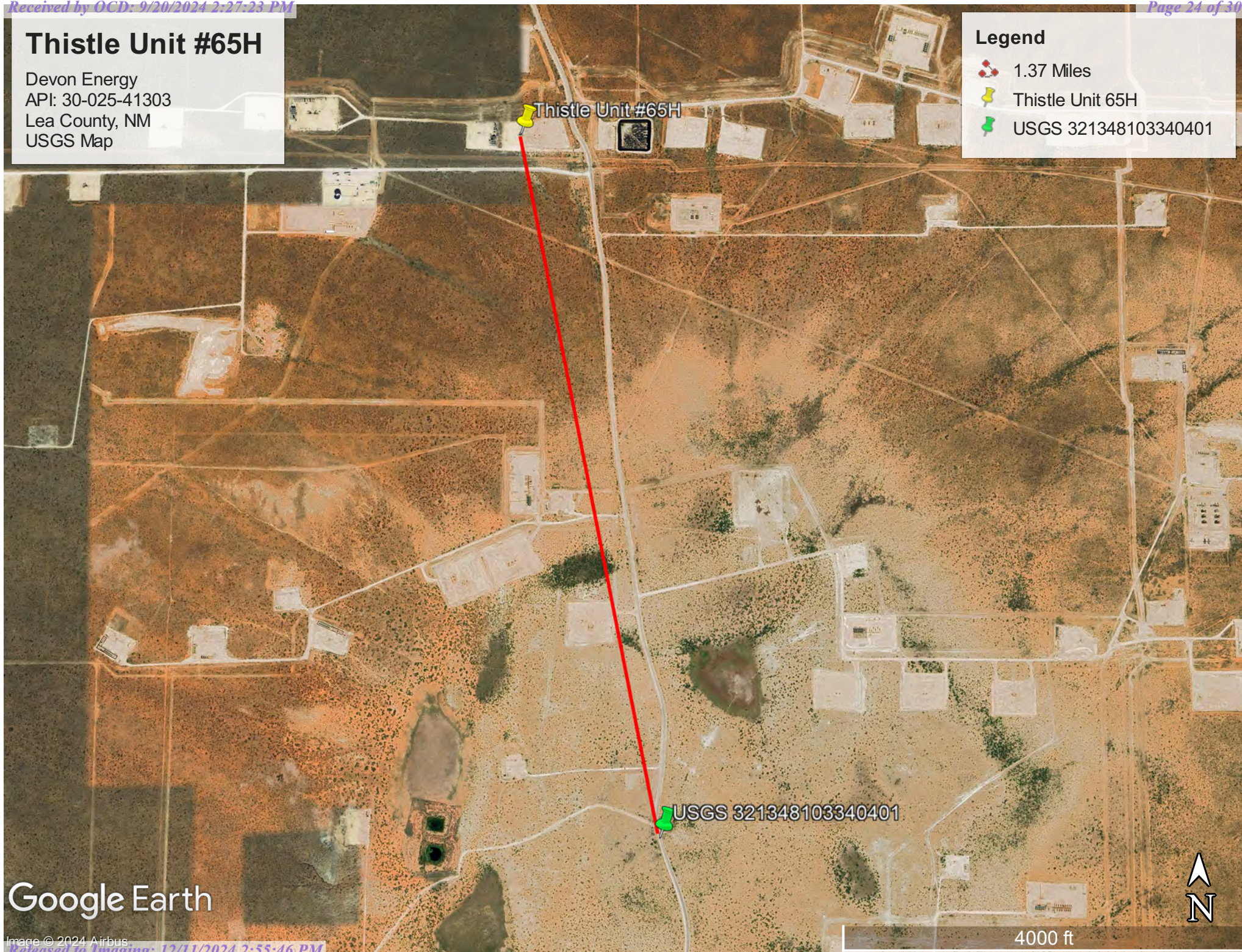


# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
USGS Map

## Legend

- 1.37 Miles
- Thistle Unit 65H
- USGS 321348103340401



Google Earth

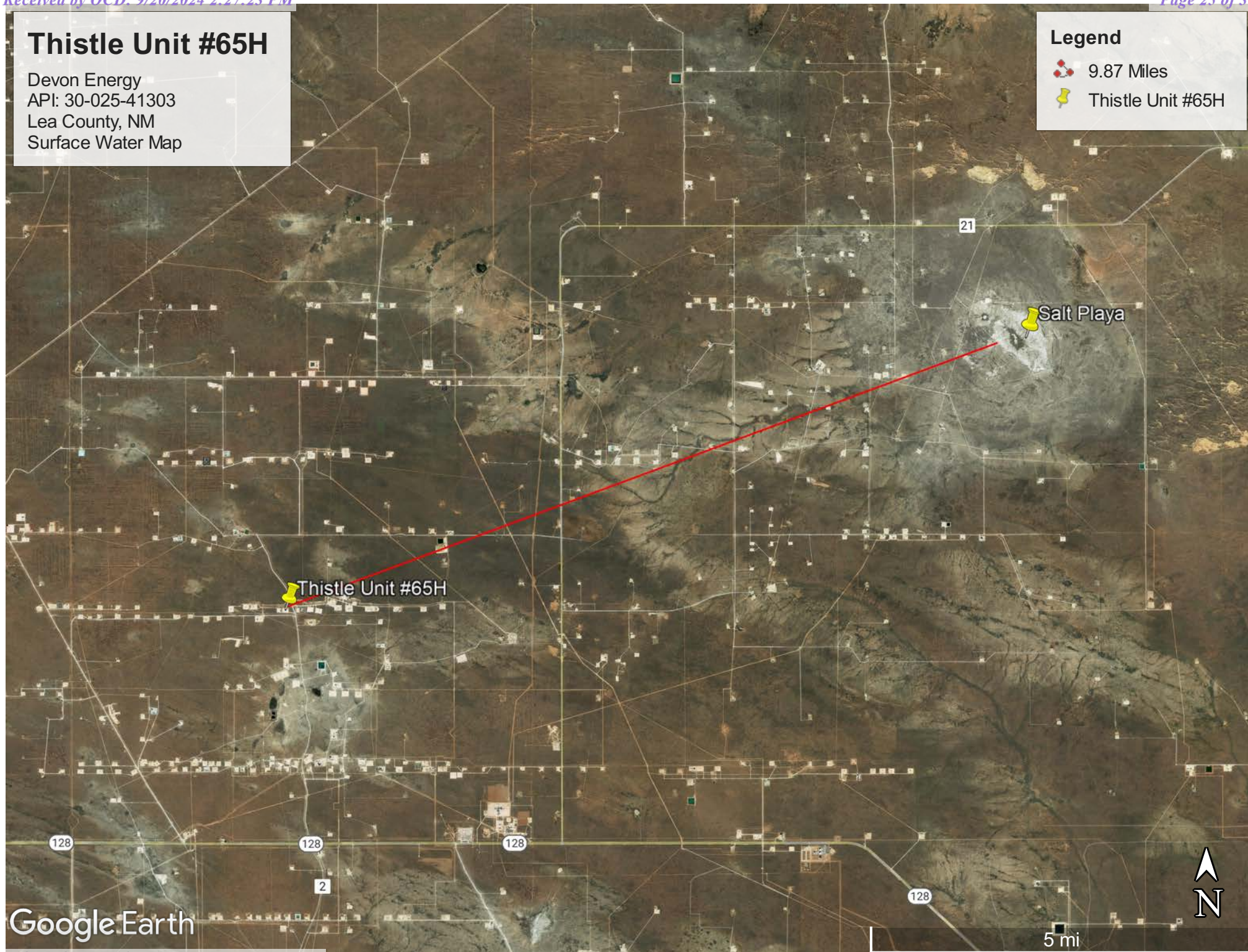


# Thistle Unit #65H

Devon Energy  
API: 30-025-41303  
Lea County, NM  
Surface Water Map

## Legend

- 9.87 Miles
- Thistle Unit #65H





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

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

*Mean annual precipitation:* 10 to 12 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

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

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

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 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 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e



Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

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

## Description of Maljamar

### Setting

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Sandy eolian deposits derived from sedimentary rock*

### Typical profile

*A - 0 to 24 inches: fine sand*  
*Bt - 24 to 50 inches: sandy clay loam*  
*Bkm - 50 to 60 inches: cemented material*

### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*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 5.6 inches)*

### Interpretive groups

*Land capability classification (irrigated): 6e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Minor Components

### Kermit

*Percent of map unit: 10 percent*  
*Ecological site: R070BC022NM - Sandhills*



Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

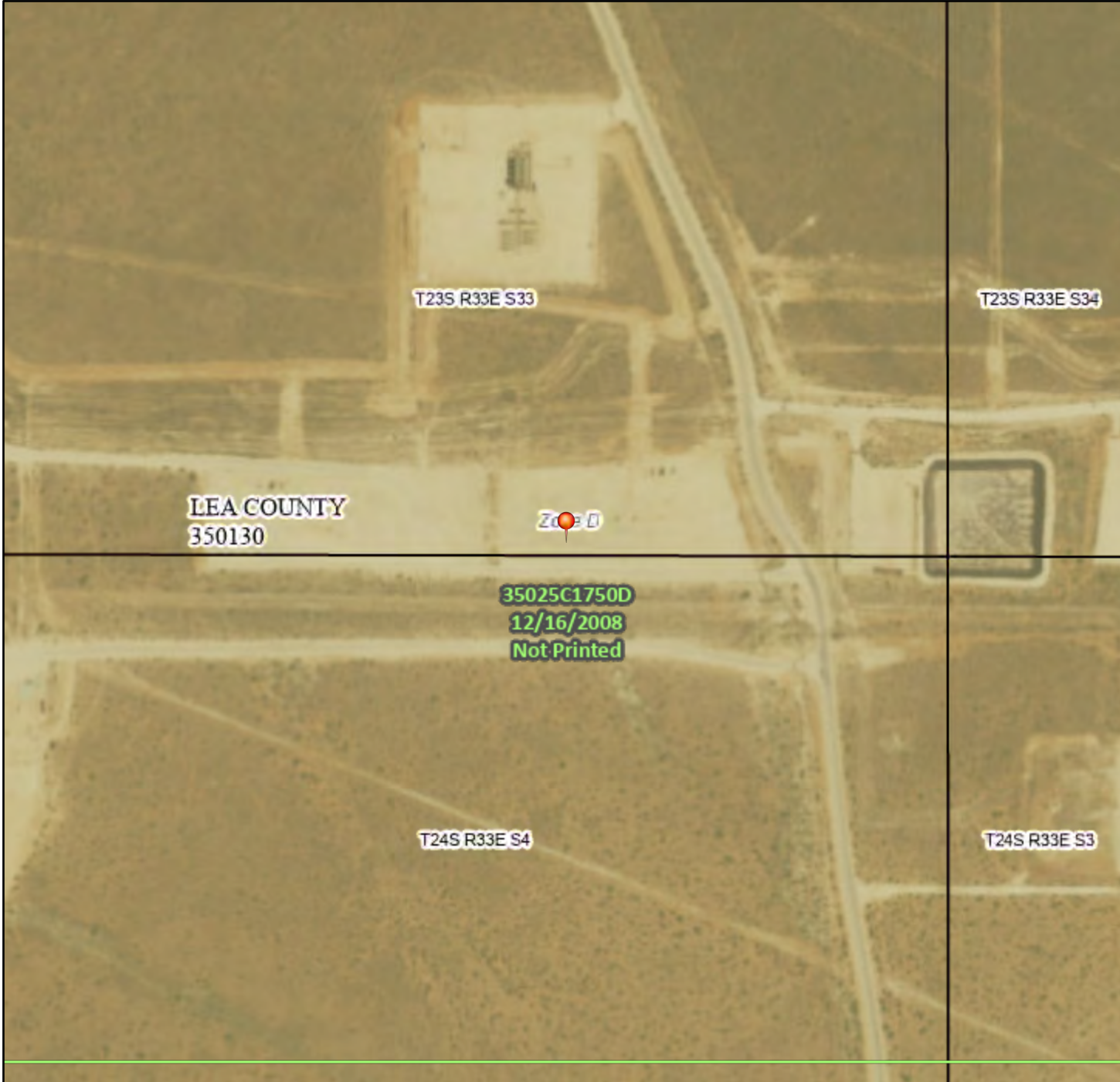
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

# National Flood Hazard Layer FIRMette



103°34'39"W 32°15'30"N



## Legend

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

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



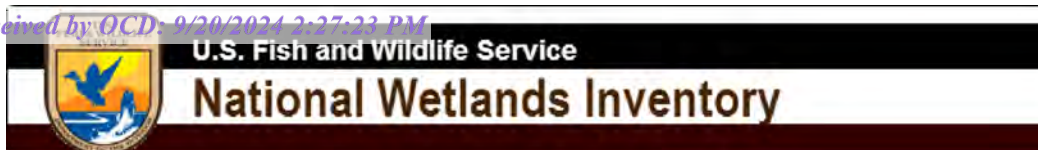
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/15/2022 at 11:42 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.





## Wetlands Map



November 15, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

## **Appendix C**

### **48-Hour Sampling Notification**



Delrae Pima Oil &lt;delrae@pimaoil.com&gt;

**FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 379972**

1 message

**Woodall, Dale** <Dale.Woodall@dv.com>  
To: Delrae Pima Oil <delrae@pimaoil.com>

Tue, Sep 3, 2024 at 9:10 AM

Dale Woodall

**Environmental Professional****Hobbs, NM****Office:** 575-748-1838**Mobile:** 405-318-4697[Dale.Woodall@dv.com](mailto:Dale.Woodall@dv.com)

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>**Sent:** Tuesday, September 3, 2024 9:09 AM**To:** Woodall, Dale <[Dale.Woodall@dv.com](mailto:Dale.Woodall@dv.com)>**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 379972

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#) nRM2019860183.

The sampling event is expected to take place:

**When:** 09/05/2024 @ 10:00**Where:** P-33-23S-33E 0 FNL 0 FEL (32.2542877, -103.5721207)**Additional Information:** Andrew Franco (806) 200-0054**Additional Instructions:** 32.2542877, -103.5721207

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

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

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

**New Mexico Energy, Minerals and Natural Resources Department**  
[1220 South St. Francis Drive](#)

Santa Fe, NM 87505

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



Pima Environmental Services

## **Appendix D**

Photographic Documentation



## PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Thistle Unit 65H

### Flagging:



Site information sign



Photo of flagging prior to excavation, facing northeast.



Photo of flagging prior to excavation, facing southeast.



Photo of flagging prior to excavation, facing northwest.





Photo of flagging prior to excavation, facing northwest.



Photo of flagging prior to excavation, facing west.



Photo of flagging prior to excavation, facing south.



Photo of flagging prior to excavation, facing southeast.





Photo of flagging prior to excavation, facing south.



Photo of flagging prior to excavation, facing north.



Photo of flagging prior to excavation, facing west.



Photo of flagging prior to excavation, facing north.



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Thistle Unit 65H**

### Excavation:



Photo of site during excavation, facing east.



Photo of site during excavation, facing north.



Photo of site during excavation, facing northeast.



Photo of site during excavation, facing north.





Photo of site during excavation, facing south.



Photo of site during excavation, facing northeast.



Photo of site during excavation, facing south.



Photo of site during excavation, facing northwest.



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Thistle Unit 65H**

### Post Excavation:



Photo of excavation completed pursuant to being backfilled, facing southwest.



Photo of excavation completed pursuant to being backfilled, facing southeast.



Photo of excavation completed pursuant to being backfilled, facing southeast.



Photo of excavation completed pursuant to being backfilled, facing south.





Photo of excavation completed pursuant to being backfilled, facing southwest.

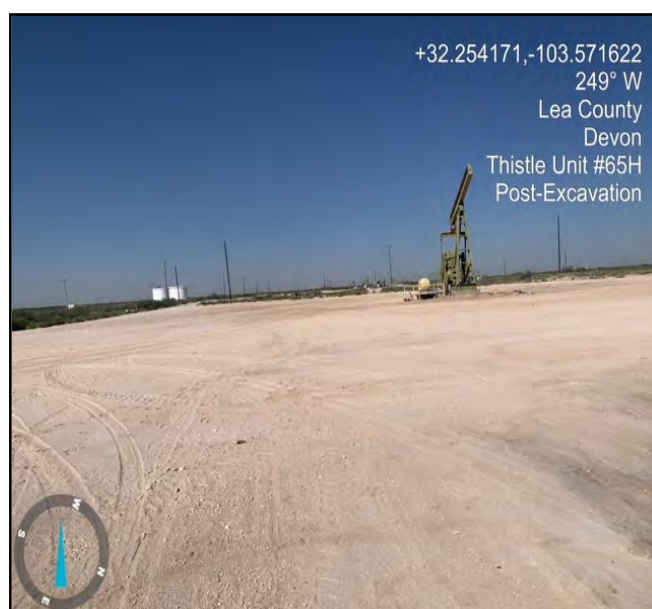
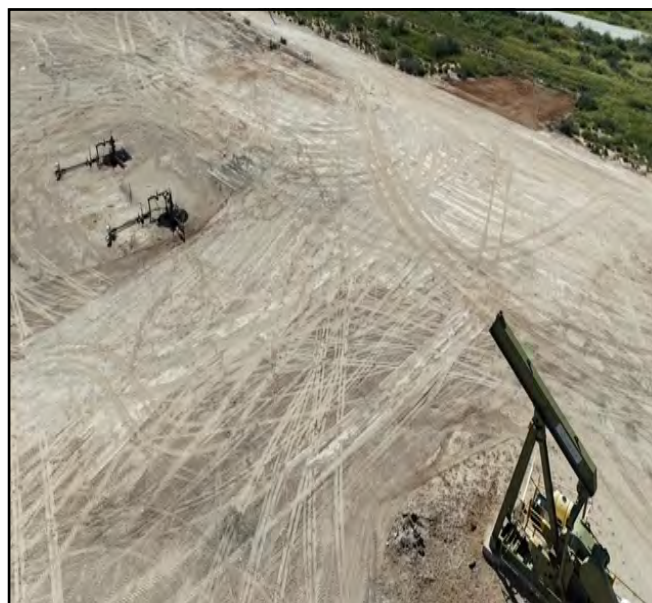


Photo of excavation completed pursuant to being backfilled, facing west.



Photo of excavation completed pursuant to being backfilled, facing southeast.



Aerial photo of the excavation site completed.



Aerial photo of the excavation site completed.



Aerial photo of the excavation site completed.



Pima Environmental Services

## **Appendix E**

Laboratory Reports



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E206232

Job Number: 01058-0007

Received: 6/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/7/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/7/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E206232  
Date Received: 6/29/2022 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/29/2022 8:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 07/07/22 15:06
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG-1	E206232-01A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
BG-2	E206232-02A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
SW-1	E206232-03A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
SW-2	E206232-04A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
SW-3	E206232-05A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
SW-4	E206232-06A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
SW-5	E206232-07A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-1 1'	E206232-08A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-1 4'	E206232-09A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-2 1'	E206232-10A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-2 4'	E206232-11A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-3 1'	E206232-12A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-4 1'	E206232-13A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.
S-5 1'	E206232-14A	Soil	06/27/22	06/29/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG-1  
E206232-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2228010	
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2228010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2228003	
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/05/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/05/22	
Surrogate: n-Nonane	124 %	50-200		07/05/22	07/05/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2228005	
Chloride	ND	20.0	1	07/05/22	07/06/22	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG-2

E206232-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2228010	
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2228010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2228003	
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/05/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/05/22	
Surrogate: n-Nonane	127 %	50-200		07/05/22	07/05/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2228005	
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

## SW-1

## E206232-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/05/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/05/22	
<i>Surrogate: n-Nonane</i>						
	130 %	50-200		07/05/22	07/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

## SW-2

## E206232-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/05/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/05/22	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		07/05/22	07/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

## SW-3

## E206232-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

## SW-4

## E206232-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

## SW-5

## E206232-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	127 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-1 1'

E206232-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	197	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-1 4'

E206232-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	130 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-2 1'

E206232-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	120	20.0	1	07/05/22	07/06/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-2 4'

E206232-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	135 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-3 1'

E206232-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	130 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-4 1'

E206232-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	131 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/7/2022 3:06:10PM

S-5 1'

E206232-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Benzene	ND	0.0250	1	07/05/22	07/07/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/07/22	
Toluene	ND	0.0250	1	07/05/22	07/07/22	
o-Xylene	ND	0.0250	1	07/05/22	07/07/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/07/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2228010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		07/05/22	07/07/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2228003
Diesel Range Organics (C10-C28)	ND	50.0	2	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	100	2	07/05/22	07/06/22	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		07/05/22	07/06/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2228005
Chloride	ND	20.0	1	07/05/22	07/06/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2228010-BLK1)

Prepared: 07/05/22 Analyzed: 07/07/22

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	7.31		8.00		91.4	70-130			

LCS (2228010-BS1)

Prepared: 07/05/22 Analyzed: 07/07/22

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.3	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.30	0.0500	10.0		93.0	70-130			
Total Xylenes	14.0	0.0250	15.0		93.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

LCS Dup (2228010-BSD1)

Prepared: 07/05/22 Analyzed: 07/07/22

Benzene	5.14	0.0250	5.00		103	70-130	0.995	20	
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130	1.04	20	
Toluene	4.87	0.0250	5.00		97.4	70-130	1.11	20	
o-Xylene	4.73	0.0250	5.00		94.5	70-130	1.18	20	
p,m-Xylene	9.40	0.0500	10.0		94.0	70-130	1.04	20	
Total Xylenes	14.1	0.0250	15.0		94.2	70-130	1.08	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2228010-BLK1) Prepared: 07/05/22 Analyzed: 07/07/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			

LCS (2228010-BS2) Prepared: 07/05/22 Analyzed: 07/07/22

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			

LCS Dup (2228010-BSD2) Prepared: 07/05/22 Analyzed: 07/07/22

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130	6.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2228003-BLK1)					Prepared: 07/05/22 Analyzed: 07/05/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

LCS (2228003-BS1)					Prepared: 07/05/22 Analyzed: 07/05/22				
Diesel Range Organics (C10-C28)	553	25.0	500		111	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Matrix Spike (2228003-MS1)				Source: E206232-09		Prepared: 07/05/22 Analyzed: 07/05/22			
Diesel Range Organics (C10-C28)	698	50.0	500	ND	140	38-132			M2
Surrogate: n-Nonane	74.3		50.0		149	50-200			

Matrix Spike Dup (2228003-MSD1)				Source: E206232-09		Prepared: 07/05/22 Analyzed: 07/05/22			
Diesel Range Organics (C10-C28)	654	50.0	500	ND	131	38-132	6.53	20	
Surrogate: n-Nonane	68.6		50.0		137	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/7/2022 3:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2228005-BLK1)					Prepared: 07/05/22 Analyzed: 07/06/22				
Chloride	ND	20.0							
LCS (2228005-BS1)					Prepared: 07/05/22 Analyzed: 07/06/22				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2228005-MS1)					Source: E206232-01		Prepared: 07/05/22 Analyzed: 07/06/22		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2228005-MSD1)					Source: E206232-01		Prepared: 07/05/22 Analyzed: 07/06/22		
Chloride	250	20.0	250	ND	99.9	80-120	0.542	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/07/22 15:06

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program		
Project: <u>Thistle Unit 65 H</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E2006232</u>		Job Number <u>0058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:		Analysis and Method								X		RCRA
Address: 5614 N. Lovington Hwy.					City, State, Zip												
City, State, Zip: Hobbs, NM, 88240					Phone:		DRO/PRO by 8015 GRO/PRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM TX								State		
Phone: 580-748-1613					Email:										NM	CO	UT
Email: tom@pimaoil.com					Pima Project # <u>157</u>		Remarks								X		
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
9:00	6/27/22	S		BG-1	1												
9:05				BG-2	2												
9:10				SW-1	3												
9:15				SW-2	4												
9:20				SW-3	5												
9:25				SW-4	6												
9:30				SW-5	7												
9:35				S-1 1'	8												
9:40				S-1 4'	9												
9:45				S-2 1'	10												
Additional Instructions: <u>Bill To Devon Energy - 208 800 103</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Red Rojers</u>		6/28/22	1:00 P	<u>Rudy Alvarez</u>		6/28/22	1:30	Received on ice: <u>(Y)</u> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
<u>Red Rojers</u>		6/28/22	4:15 P	<u>Keith Chute</u>		6/29/22	8:00										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>Red Rojers</u>				<u>Keith Chute</u>													
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																	
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	





## Envirotech Analytical Laboratory

Printed: 6/30/2022 8:48:48AM

## 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:	06/29/22 08:00	Work Order ID:	E206232
Phone:	(575) 631-6977	Date Logged In:	06/29/22 10:14	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/06/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E207054

Job Number: 01058-0007

Received: 7/13/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/18/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 7/18/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E207054  
Date Received: 7/13/2022 10:23:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/13/2022 10:23:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/18/22 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E207054-01A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-1 3'	E207054-02A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-2 1'	E207054-03A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-2 3'	E207054-04A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-3 1'	E207054-05A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-3 3'	E207054-06A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-4 1'	E207054-07A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-4 3'	E207054-08A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-5 1'	E207054-09A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.
S-5 3'	E207054-10A	Soil	07/11/22	07/13/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S-1 1'  
E207054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2229055	
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	95.0 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2229055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	95.0 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2229066	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	105 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2229052	
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-1 3'

E207054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.2 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.2 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	110 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-2 1'

E207054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	97.9 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-2 3'

E207054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	94.1 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	94.1 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	100 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-3 1'

E207054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	94.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	94.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	107 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-3 3'

E207054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.2 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.2 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	136 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-4 1'

E207054-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.7 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.7 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	118 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-4 3'

E207054-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	111 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S-5 1'

E207054-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2229055	
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	94.9 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.6 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2229055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	94.9 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	93.6 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2229066	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	116 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2229052	
Chloride	ND	20.0	1	07/13/22	07/15/22	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/18/2022 4:48:35PM

S-5 3'

E207054-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Benzene	ND	0.0250	1	07/13/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/13/22	07/15/22	
Toluene	ND	0.0250	1	07/13/22	07/15/22	
o-Xylene	ND	0.0250	1	07/13/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/13/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.6 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2229055
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/13/22	07/15/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		07/13/22	07/15/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		07/13/22	07/15/22	
Surrogate: Toluene-d8	92.6 %	70-130		07/13/22	07/15/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2229066
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane	115 %	50-200		07/14/22	07/15/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2229052
Chloride	ND	20.0	1	07/13/22	07/15/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2229055-BLK1)

Prepared: 07/13/22 Analyzed: 07/15/22

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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.547		0.500		109	70-130			
Surrogate: Toluene-d8	0.463		0.500		92.5	70-130			

LCS (2229055-BS1)

Prepared: 07/13/22 Analyzed: 07/15/22

Benzene	2.38	0.0250	2.50		95.4	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.38	0.0250	2.50		95.4	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.9	70-130			
Total Xylenes	7.42	0.0250	7.50		99.0	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

LCS Dup (2229055-BSD1)

Prepared: 07/13/22 Analyzed: 07/15/22

Benzene	2.26	0.0250	2.50		90.5	70-130	5.21	23	
Ethylbenzene	2.32	0.0250	2.50		92.6	70-130	4.50	27	
Toluene	2.29	0.0250	2.50		91.4	70-130	4.22	24	
o-Xylene	2.42	0.0250	2.50		96.8	70-130	4.51	27	
p,m-Xylene	4.71	0.0500	5.00		94.1	70-130	3.90	27	
Total Xylenes	7.13	0.0250	7.50		95.0	70-130	4.10	27	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2229055-BLK1) Prepared: 07/13/22 Analyzed: 07/15/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.547		0.500		109	70-130			
Surrogate: Toluene-d8	0.463		0.500		92.5	70-130			

LCS (2229055-BS2) Prepared: 07/13/22 Analyzed: 07/15/22

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS Dup (2229055-BSD2) Prepared: 07/13/22 Analyzed: 07/15/22

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130	5.79	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2229066-BLK1)					Prepared: 07/14/22 Analyzed: 07/14/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			

LCS (2229066-BS1)					Prepared: 07/14/22 Analyzed: 07/14/22				
Diesel Range Organics (C10-C28)	611	25.0	500		122	38-132			
Surrogate: n-Nonane	61.0		50.0		122	50-200			

Matrix Spike (2229066-MS1)				Source: E207054-03		Prepared: 07/14/22 Analyzed: 07/15/22			
Diesel Range Organics (C10-C28)	567	25.0	500	ND	113	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			

Matrix Spike Dup (2229066-MSD1)				Source: E207054-03		Prepared: 07/14/22 Analyzed: 07/15/22			
Diesel Range Organics (C10-C28)	552	25.0	500	ND	110	38-132	2.55	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  7/18/2022 4:48:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2229052-BLK1)					Prepared: 07/13/22 Analyzed: 07/15/22				
Chloride	ND	20.0							
LCS (2229052-BS1)					Prepared: 07/13/22 Analyzed: 07/15/22				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2229052-MS1)					Source: E207054-01		Prepared: 07/13/22 Analyzed: 07/15/22		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2229052-MSD1)					Source: E207054-01		Prepared: 07/13/22 Analyzed: 07/15/22		
Chloride	253	20.0	250	ND	101	80-120	1.06	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/18/22 16:48

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 1

<b>Client: Pima Environmental Services</b> <b>Project: THistle Unit 65 H</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM, 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon Energy</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 157</b>					<b>Lab Use Only</b> <b>Lab WO# E207054</b> <b>Job Number 01058-0007</b> <b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	BGDOC	TX	Remarks					
8:00	7/11/22	S		S-1 1'	1							X								
8:05				S-1 3'	2															
8:10				S-2 1'	3															
8:15				S-2 3'	4															
8:20				S-3 1'	5															
8:25				S-3 3'	6															
8:30				S-4 1'	7															
8:35				S-4 3'	8															
8:40				S-5 1'	9															
8:45				S-5 3'	10															

## Additional Instructions:

Bill To Devon Energy - 208800103

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

Sampled by: Aled Rogers

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	<b>Lab Use Only</b> Received on ice: <u>(Y) N</u> T1 T2 T3 AVG Temp °C <u>4</u>
<u>[Signature]</u>	7-12-22	2:45	<u>[Signature]</u>	7-12-22	2:50	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	7-12-22	2:15	<u>[Signature]</u>	7/13/22	10:23	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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





## Envirotech Analytical Laboratory

Printed: 7/14/2022 10:50:20AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/13/22 10:23	Work Order ID:	E207054
Phone:	(575) 631-6977	Date Logged In:	07/13/22 09:00	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/19/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Number of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E304044

Job Number: 01058-0007

Received: 4/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/17/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 4/17/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E304044  
Date Received: 4/11/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/11/2023 7:15:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 04/17/23 11:36
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 4'	E304044-01A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S1 - 5'	E304044-02A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S1 - 6'	E304044-03A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S2 - 4'	E304044-04A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S2 - 5'	E304044-05A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S2 - 6'	E304044-06A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S3 - 4'	E304044-07A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S3 - 5'	E304044-08A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S3 - 6'	E304044-09A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S4 - 4'	E304044-10A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S4 - 5'	E304044-11A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S4 - 6'	E304044-12A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S5 - 4'	E304044-13A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S5 - 5'	E304044-14A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
S5 - 6'	E304044-15A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
SW1	E304044-16A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
SW2	E304044-17A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
SW3	E304044-18A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
SW4	E304044-19A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.
BG1	E304044-20A	Soil	04/08/23	04/11/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S1 - 4'

E304044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.4 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane	108 %	50-200		04/11/23	04/13/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S1 - 5'

E304044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		04/11/23	04/13/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S1 - 6'

E304044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		04/11/23	04/13/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S2 - 4'

E304044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		04/11/23	04/13/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S2 - 5'

E304044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		04/11/23	04/13/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 6'

E304044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
Surrogate: 4-Bromochlorobenzene-PID	97.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2315051	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2315037	
Chloride	ND	20.0	1	04/11/23	04/12/23	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S3 - 4'

E304044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S3 - 5'

E304044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S3 - 6'

E304044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S4 - 4'

E304044-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/14/23	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S4 - 5'

E304044-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S4 - 6'

E304044-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S5 - 4'

E304044-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2315051	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2315037	
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S5 - 5'

E304044-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

S5 - 6'

E304044-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

## SW1

## E304044-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

## SW2

## E304044-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/17/2023 11:36:28AM

## SW3

## E304044-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315025
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315037
Chloride	ND	20.0	1	04/11/23	04/12/23	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E304044-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Benzene	ND	0.0250	1	04/12/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/12/23	
Toluene	ND	0.0250	1	04/12/23	04/12/23	
o-Xylene	ND	0.0250	1	04/12/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		04/12/23	04/12/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2315051	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2315037	
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG1

E304044-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		04/12/23	04/13/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2315025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		04/12/23	04/13/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2315051	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane	109 %	50-200		04/11/23	04/14/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2315037	
Chloride	ND	20.0	1	04/11/23	04/12/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315025-BLK1) Prepared: 04/11/23 Analyzed: 04/12/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

LCS (2315025-BS1) Prepared: 04/11/23 Analyzed: 04/12/23

Benzene	4.31	0.0250	5.00		86.1	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.9	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.39	0.0250	5.00		87.8	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.1	0.0250	15.0		87.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			

Matrix Spike (2315025-MS1) Source: E304044-01 Prepared: 04/11/23 Analyzed: 04/12/23

Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.7	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2315025-MSD1) Source: E304044-01 Prepared: 04/11/23 Analyzed: 04/12/23

Benzene	4.46	0.0250	5.00	ND	89.1	54-133	6.56	20	
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	61-133	6.32	20	
Toluene	4.57	0.0250	5.00	ND	91.4	61-130	6.55	20	
o-Xylene	4.53	0.0250	5.00	ND	90.6	63-131	6.47	20	
p,m-Xylene	9.07	0.0500	10.0	ND	90.7	63-131	6.15	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.7	63-131	6.26	20	
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315025-BLK1) Prepared: 04/11/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

LCS (2315025-BS2) Prepared: 04/11/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			

Matrix Spike (2315025-MS2) Source: E304044-01 Prepared: 04/11/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2315025-MSD2) Source: E304044-01 Prepared: 04/11/23 Analyzed: 04/12/23

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.3	70-130	6.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  4/17/2023 11:36:28AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315051-BLK1)					Prepared: 04/11/23 Analyzed: 04/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.1		50.0		110	50-200			

LCS (2315051-BS1)					Prepared: 04/11/23 Analyzed: 04/13/23				
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2315051-MS1)					Source: E304044-19		Prepared: 04/11/23 Analyzed: 04/13/23		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike Dup (2315051-MSD1)					Source: E304044-19		Prepared: 04/11/23 Analyzed: 04/13/23		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	1.79	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 11:36:28AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2315037-BLK1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315037-BS1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2315037-MS1)					Source: E304044-01		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2315037-MSD1)					Source: E304044-01		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	257	20.0	250	ND	103	80-120	0.106	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 11:36

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Thistle Unit GSH</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project #					Lab Use Only Lab WO# <u>304044</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
															State NM CO UT AZ TX <u>X</u>				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
8:00	4/8/23	S	1	S1-4'	1							X								
8:05				S1-5'	2															
8:10				S1-6'	3															
8:15				S2-4'	4															
8:20				S2-5'	5															
8:25				S2-6'	6															
8:30				S3-4'	7															
8:35				S3-5'	8															
8:40				S3-6'	9															
8:45				S4-4'	10															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentional mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Billed to: <u>Andrew Franco</u> Relinquished by: (Signature) <u>AF</u> Date <u>4-10-23</u> Time <u>2:00</u> Received by: (Signature) <u>Andrew Franco</u> Date <u>4-11-23</u> Time <u>7:15</u> Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Sample Matrix: <u>S</u> - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: <u>g</u> - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Project Information

Chain of Custody

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program													
Project: <u>Thistle Unit GSH</u>		Attention: <u>Devin</u>		Lab WO# <u>E304044</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: Tom Bynum		Address:		Analysis and Method																	
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		State	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:																		NM CO UT AZ TX	
Phone: <u>580-748-1613</u>		Email:		Pima Project #																Remarks	
Email: <u>tom@pimaoil.com</u>																					
Report due by:																					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	4/8/23	S	1	S4-5'	11							X		
8:55				S4-6'	12									
9:00				S5-4'	13									
9:05				S5-5'	14									
9:10				S5-6'	15									
9:15				SW1	16									
9:20				SW2	17									
9:25				SW3	18									
9:30				SW4	19									
9:35	✓	✓	✓	BG1	20							✓		

Additional Instructions:

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.

Billing#:

Sampled by: Andrew Franco

Relinquished by: (Signature) AF Date 4-10-23 Time 2:00 Received by: (Signature) [Signature] Date 4-11-23 Time 7:15

Relinquished by: (Signature) Date Time Received by: (Signature) Date Time

Relinquished by: (Signature) Date Time Received by: (Signature) Date Time

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

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

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

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.

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4





## Envirotech Analytical Laboratory

Printed: 4/11/2023 1:27:27PM

## 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:	04/11/23 07:15	Work Order ID:	E304044
Phone:	(575) 631-6977	Date Logged In:	04/11/23 08:47	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E409043

Job Number: 01058-0007

Received: 9/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E409043  
Date Received: 9/7/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 09/09/24 16:53
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-4' Composite	E409043-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS2-4' Composite	E409043-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS3-4' Composite	E409043-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS4-4' Composite	E409043-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS5-4' Composite	E409043-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS6-4' Composite	E409043-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS7-4' Composite	E409043-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS8-4' Composite	E409043-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS9-4' Composite	E409043-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS10-4' Composite	E409043-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS11-4' Composite	E409043-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS12-4' Composite	E409043-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS13-4' Composite	E409043-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS14-4' Composite	E409043-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS15-4' Composite	E409043-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS16-4' Composite	E409043-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS17-4' Composite	E409043-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS18-4' Composite	E409043-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS19-4' Composite	E409043-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS20-4' Composite	E409043-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 65 H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 9/9/2024 4:53:30PM
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CS1-4' Composite  
E409043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436086	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		103 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		103 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436082	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		107 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436087	
Chloride	ND	20.0	1	09/07/24	09/07/24	

## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS2-4' Composite

E409043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		85.2 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS3-4' Composite

E409043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		82.3 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4-4' Composite  
E409043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		86.1 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS5-4' Composite

E409043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		84.4 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS6-4' Composite  
E409043-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		82.4 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS7-4' Composite

E409043-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		09/07/24	09/07/24	
Surrogate: Toluene-d8	105 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		09/07/24	09/07/24	
Surrogate: Toluene-d8	105 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	85.1 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS8-4' Composite  
E409043-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		86.4 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS9-4' Composite

E409043-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		85.4 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS10-4' Composite

E409043-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		87.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS11-4' Composite

E409043-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		90.7 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS12-4' Composite

E409043-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		84.4 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS13-4' Composite

E409043-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		85.6 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS14-4' Composite  
E409043-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		94.9 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS15-4' Composite

E409043-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		105 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		90.6 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS16-4' Composite

E409043-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		104 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		85.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS17-4' Composite

E409043-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		81.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS18-4' Composite

E409043-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/07/24	09/07/24	
Surrogate: Toluene-d8		106 %	70-130	09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		83.7 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:53:30PM

## CS19-4' Composite

E409043-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		86.3 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported: 9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS20-4' Composite  
E409043-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436086
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		89.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436087
Chloride	ND	20.0	1	09/07/24	09/07/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436086-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

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	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

LCS (2436086-BS1) Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	2.63	0.0250	2.50		105	70-130			
Ethylbenzene	2.50	0.0250	2.50		100	70-130			
Toluene	2.56	0.0250	2.50		103	70-130			
o-Xylene	2.39	0.0250	2.50		95.8	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.9	70-130			
Total Xylenes	7.19	0.0250	7.50		95.8	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS Dup (2436086-BSD1) Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	2.51	0.0250	2.50		100	70-130	4.55	23	
Ethylbenzene	2.36	0.0250	2.50		94.6	70-130	5.69	27	
Toluene	2.42	0.0250	2.50		96.8	70-130	5.80	24	
o-Xylene	2.28	0.0250	2.50		91.3	70-130	4.75	27	
p,m-Xylene	4.60	0.0500	5.00		91.9	70-130	4.22	27	
Total Xylenes	6.88	0.0250	7.50		91.7	70-130	4.39	27	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436086-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

LCS (2436086-BS2) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS Dup (2436086-BSD2) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130	0.588	20	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:53:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio 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
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Blank (2436082-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			

LCS (2436082-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Diesel Range Organics (C10-C28)	205	25.0	250		82.1	38-132			
Surrogate: n-Nonane	43.6		50.0		87.1	50-200			

LCS Dup (2436082-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Diesel Range Organics (C10-C28)	197	25.0	250		78.8	38-132	4.10	20	
Surrogate: n-Nonane	41.2		50.0		82.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 4:53:30PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436087-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	ND	20.0							
LCS (2436087-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2436087-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	253	20.0	250		101	90-110	0.435	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 16:53

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



## Project Information

## Chain of Custody

Page 1 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>E469043</u> Job Number <u>01058-007</u>					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
					Analysis and Method					State										
					DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0					BGDOC NM BGDOC TX				NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>						
										Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
10:11	9/5	S		CS1-4'	1															
10:23				CS2-4'	2															
10:29				CS3-4'	3															
10:33				CS4-4'	4															
10:39				CS5-4'	5															
10:46				CS6-4'	6															
10:53				CS7-4'	7															
11:07				CS8-4'	8															
11:17				CS9-4'	9															
11:23				CS10-4'	10															
Additional Instructions: <u>Billing # 2114 7650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> / <u>N</u>								
<u>Korime Adame</u>		<u>9/6/24</u>		<u>1400</u>		<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1400</u>										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 <u>                    </u> T2 <u>                    </u> T3 <u>                    </u>								
<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1630</u>		<u>[Signature]</u>		<u>9-6-24</u>		<u>1648</u>										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>								
<u>[Signature]</u>		<u>9/6/24</u>		<u>2354</u>		<u>Rodina Schmitt</u>		<u>9/7/24</u>		<u>6:00</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				





## Envirotech Analytical Laboratory

Printed: 9/9/2024 10:25:48AM

## 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:	09/07/24 06:00	Work Order ID:	E409043
Phone:	(575) 631-6977	Date Logged In:	09/07/24 06:06	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project: Thistle Unit #65H split between E409043 through E409047. Number of containers and sampled by not marked on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 1 of 10

Client: Pima Environmental Services				Bill To				Lab Use Only				TAT				EPA Program							
Project: <u>Thistle Unit #65H</u>				Attention: <u>Devon</u>				Lab WO# <u>E-4</u>				Job Number <u>01058-007</u>				1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				CWA <input type="checkbox"/> SDWA <input type="checkbox"/>			
Project Manager: <u>Gio Gomez</u>				Address: <u>5614 N. Lovington Hwy.</u>				City, State, Zip <u>Hobbs, NM, 88240</u>				Phone: <u>806-782-1151</u>				Email: <u>gio@pimaoil.com</u>				RCRA <input type="checkbox"/>			
Report due by: <u></u>				Pima Project # <u>1-157</u>				Analysis and Method				State				NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks									
10:11	9/5	S		CS1-4'	1							X		Sample names changed per D. Geller 9/19/24 RM									
10:23				CS2-4'	2																		
10:29				CS3-4'	3																		
10:33				CS4-4'	4																		
10:39				CS5-4'	5																		
10:46				CS6-4'	6																		
10:53				CS7-4'	7																		
11:07				CS8-4'	8																		
11:17				CS9-4'	9																		
11:23				CS10-4'	10																		
Additional Instructions: <u>Billing # 21147650</u>																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only											
<u>Korime Adams</u>		<u>9/6/24</u>		<u>1400</u>		<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1400</u>		Received on ice: <u>Y</u> / N											
<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1630</u>		<u>[Signature]</u>		<u>9-6-24</u>		<u>1648</u>		T1 _____ T2 _____ T3 _____											
<u>[Signature]</u>		<u>9/6/24</u>		<u>2354</u>		<u>Raina Schmitt</u>		<u>9/7/24</u>		<u>16:00</u>		AVG Temp °C <u>4</u>											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							


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## Project Information

## Chain of Custody

Page 2 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____				Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-157</u>				Lab Use Only Lab WO# <u>E409043</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 3000 _____ BGDOC NM _____ BGDOC TX _____				TAT 1D <input checked="" type="checkbox"/> 2D _____ 3D _____ Standard _____ EPA Program CWA _____ SDWA _____ RCRA _____ State NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX _____			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	BGDOC TX	Remarks	
11:31	9/5	3		CS11 -4'	11							<input checked="" type="checkbox"/>		Sample names changed per cellist 9/12/24 - RAS	
11:39				CS12 -4'	12										
11:47				CS13 -4'	13										
11:56				CS14 -4'	14										
12:06				CS15 -4'	15										
12:21				CS16 -4'	16										
12:27				CS17 -4'	17										
12:35				CS18 -4'	18										
12:42				CS19 -4'	19										
12:56				CS20 -4'	20										
Additional Instructions: <u>Billing # 21147650</u>															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															
Relinquished by: (Signature) <u>Karime Hame</u> Date <u>9/6/24</u> Time <u>1400</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1400</u> Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1630</u> Received by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>1648</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>2354</u> Received by: (Signature) <u>Karime Hame</u> Date <u>9/7/24</u> Time <u>6:00</u>															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															


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Report to:  
Gio Gomez



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E409044

Job Number: 01058-0007

Received: 9/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E409044  
Date Received: 9/7/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  09/09/24 16:57
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21-4' Composite	E409044-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS22-4' Composite	E409044-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS23-4' Composite	E409044-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS24-4' Composite	E409044-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS25-4' Composite	E409044-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS26-4' Composite	E409044-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS27-4' Composite	E409044-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS28-4' Composite	E409044-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS29-4' Composite	E409044-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS30-4' Composite	E409044-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS31-4' Composite	E409044-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS32-4' Composite	E409044-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS33-4' Composite	E409044-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS34-4' Composite	E409044-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS35-4' Composite	E409044-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS36-4' Composite	E409044-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS37-4' Composite	E409044-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS38-4' Composite	E409044-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS39-4' Composite	E409044-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS40-4' Composite	E409044-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.

## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS21-4' Composite

E409044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS22-4' Composite  
E409044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	93.7 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS23-4' Composite  
E409044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	90.4 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	94.6 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS24-4' Composite  
E409044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	98.3 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS25-4' Composite

E409044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS26-4' Composite  
E409044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	93.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS27-4' Composite

E409044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS28-4' Composite  
E409044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	99.5 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS29-4' Composite

E409044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS30-4' Composite  
E409044-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	96.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS31-4' Composite

E409044-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS32-4' Composite

E409044-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	93.3 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS33-4' Composite  
E409044-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	94.0 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS34-4' Composite  
E409044-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	96.5 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS35-4' Composite  
E409044-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	96.0 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS36-4' Composite  
E409044-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	92.8 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS37-4' Composite

E409044-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	92.3 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:57:33PM

## CS38-4' Composite

E409044-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.0 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
		97.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436095
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS39-4' Composite  
E409044-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	94.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS40-4' Composite  
E409044-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436081	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	92.8 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436095	
Chloride	ND	20.0	1	09/07/24	09/07/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

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
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Blank (2436088-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

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	7.05		8.00		88.2	70-130			

LCS (2436088-BS1) Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.8	70-130			

Matrix Spike (2436088-MS1) Source: E409044-01 Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	99.9	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.1	70-130			

Matrix Spike Dup (2436088-MSD1) Source: E409044-01 Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.06	0.0250	5.00	ND	101	54-133	0.769	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	0.338	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	0.433	20	
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131	0.280	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.182	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.214	20	
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2436088-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			

LCS (2436088-BS2) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike (2436088-MS2) Source: E409044-01 Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike Dup (2436088-MSD2) Source: E409044-01 Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130	2.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:57:33PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

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
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Blank (2436081-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

LCS (2436081-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	38-132			
Surrogate: n-Nonane	39.6		50.0		79.2	50-200			

LCS Dup (2436081-BSD1)					Prepared: 09/07/24 Analyzed: 09/08/24				
Diesel Range Organics (C10-C28)	203	25.0	250		81.1	38-132	14.5	20	
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 4:57:33PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436095-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	ND	20.0							
LCS (2436095-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2436095-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	258	20.0	250		103	90-110	0.282	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 16:57

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

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

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



## Project Information

## Chain of Custody

Page 3 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Thistle Unit #65 H</u>					Attention: <u>Devon</u>		Lab WO# <u>E 409044</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Gio Gomez</u>					Address:		Analysis and Method								RCRA		
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		Chloride 300.0										
Phone: <u>806-782-1151</u>					Email:												
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>1-157</u>												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks											
1:11	9/5	S		CS21 -4'	1												
1:23				CS22 -4'	2												
1:29				CS23 -4'	3												
1:33				CS24 -4'	4												
1:39				CS25 -4'	5												
1:40				CS26 -4'	6												
1:47				CS27 -4'	7												
1:49				CS28 -4'	8												
1:56				CS29 -4'	9												
2:11				CS30 -4'	10												
Additional Instructions: <u>Billing# 21147650</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by:																	
Relinquished by: (Signature) <u>Karime Adane</u>				Date <u>9/6/24</u>		Time <u>1400</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>9-6-24</u>		Time <u>1400</u>		Lab Use Only	
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>9-6-24</u>		Time <u>1630</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>9-6-24</u>		Time <u>1648</u>		Received on ice: <u>Y / N</u>	
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>9-6-24</u>		Time <u>2354</u>		Received by: (Signature) <u>Roxie Williams</u>				Date <u>9/7/24</u>		Time <u>6:00</u>		T1 _____ T2 _____ T3 _____	
AVG Temp °C <u>4</u>																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



## Project Information

## Chain of Custody

Page 4 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65 H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>E409044</u> Job Number <u>01059-007</u>					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
					Analysis and Method DRO/ORO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> NM <input checked="" type="checkbox"/> BGDOC <input type="checkbox"/> TX <input type="checkbox"/>										State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
2:20	9/5	S		CS31-4'	11															
2:26				CS32-4'	12															
2:31				CS33-4'	13															
2:39				CS34-4'	14															
2:43				CS35-4'	15															
2:47				CS36-4'	16															
2:53				CS37-4'	17															
3:01				CS38-4'	18															
3:07				CS39-4'	19															
3:11				CS40-4'	20															
Additional Instructions: <u>Billing# 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>Karime Adame</u> Date <u>9/6/24</u> Time <u>1400</u>																				
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1630</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>2354</u>																				
Received by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1400</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>1648</u>																				
Received by: (Signature) <u>Raia Loring</u> Date <u>9/7/24</u> Time <u>6:00</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

## Envirotech Analytical Laboratory

Printed: 9/9/2024 10:32:45AM

## 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:	09/07/24 06:00	Work Order ID:	E409044
Phone:	(575) 631-6977	Date Logged In:	09/07/24 06:09	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project: Thistle Unit #65H split between E409043 through E409047. Number of containers and sampled by not marked on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



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## Project Information

## Chain of Custody

Page 3 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65 H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>E-409044</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
1:11	9/5	S		CS21 - 4'	1	<u>Composite</u> <u>Sample names</u> <u>changed per D. Gellar</u> <u>9/9/24 - RAJ</u>														
1:23				CS22 - 4'	2															
1:29				CS23 - 4'	3															
1:33				CS24 - 4'	4															
1:39				CS25 - 4'	5															
1:40				CS26 - 4'	6															
1:47				CS27 - 4'	7															
1:49				CS28 - 4'	8															
1:56				CS29 - 4'	9															
2:11				CS30 - 4'	10															
Additional Instructions: <u>Billing # 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y / N</u> T1 T2 T3 AVG Temp °C <u>4</u>								
<u>Karime Adams</u>		<u>9/6/24</u>		<u>1400</u>		<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1400</u>										
<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1630</u>		<u>Devon</u>		<u>9-6-24</u>		<u>1648</u>										
<u>Devon</u>		<u>9-6-24</u>		<u>2354</u>		<u>Karla Lohman</u>		<u>9/7/24</u>		<u>6:00</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
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## Project Information

## Chain of Custody

Page 4 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65 H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:				Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-157</u>				Lab Use Only Lab WO# <u>E409044</u> Job Number <u>01059-007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				TAT 1D 2D 3D Standard X EPA Program CWA SDWA RCRA State NM CO UT AZ TX X					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks											
2:20	9/5	S		CS31-4'	11	Composite											
2:26				CS32-4'	12												
2:31				CS33-4'	13												
2:39				CS34-4'	14												
2:43				CS35-4'	15												
2:47				CS36-4'	16												
2:53				CS37-4'	17												
3:01				CS38-4'	18												
3:07				CS39-4'	19												
3:11				CS40-4'	20												
Additional Instructions: <u>Billing # 21147650</u>																	
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Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only					
<u>Karime Adams</u>		<u>9/6/24</u>		<u>1400</u>		<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1400</u>		Received on ice: <u>Y</u> / N					
<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1630</u>		<u>[Signature]</u>		<u>9-6-24</u>		<u>1648</u>		T1 T2 T3					
<u>[Signature]</u>		<u>9-6-24</u>		<u>2354</u>		<u>Raina Luning</u>		<u>9/7/24</u>		<u>6:00</u>		AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	


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Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E409045

Job Number: 01058-0007

Received: 9/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E409045  
Date Received: 9/7/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 09/09/24 16:59
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS41-4' Composite	E409045-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS42-4' Composite	E409045-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS43-4' Composite	E409045-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS44-4' Composite	E409045-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS45-4' Composite	E409045-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS46-4' Composite	E409045-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS47-4' Composite	E409045-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS48-4' Composite	E409045-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS49-4' Composite	E409045-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS50-4' Composite	E409045-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS51-4' Composite	E409045-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS52-4' Composite	E409045-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS53-4' Composite	E409045-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS54-4' Composite	E409045-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS55-4' Composite	E409045-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS56-4' Composite	E409045-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS57-4' Composite	E409045-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS58-4' Composite	E409045-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS59-4' Composite	E409045-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS60-4' Composite	E409045-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 65 H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 9/9/2024 4:59:44PM
---	---	---------------------------------

CS41-4' Composite  
E409045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	98.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	91.7 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS42-4' Composite

E409045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436096
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS43-4' Composite

E409045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436096
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS44-4' Composite

E409045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436096
Chloride	ND	20.0	1	09/07/24	09/08/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS45-4' Composite

E409045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	96.8 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS46-4' Composite

E409045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>	94.4 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS47-4' Composite  
E409045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.9 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	101 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS48-4' Composite  
E409045-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	96.3 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS49-4' Composite

E409045-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>	95.4 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS50-4' Composite  
E409045-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	95.6 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS51-4' Composite  
E409045-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	98.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	94.9 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS52-4' Composite

E409045-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	93.1 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS53-4' Composite  
E409045-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	98.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.1 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	96.8 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS54-4' Composite

E409045-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436089
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	94.6 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436096
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS55-4' Composite  
E409045-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	101 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS56-4' Composite  
E409045-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/07/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/07/24	
Toluene	ND	0.0250	1	09/07/24	09/07/24	
o-Xylene	ND	0.0250	1	09/07/24	09/07/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/07/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/07/24	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		09/07/24	09/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	98.7 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS57-4' Composite  
E409045-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.9 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	94.9 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS58-4' Composite  
E409045-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	97.6 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 4:59:44PM

## CS59-4' Composite

E409045-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS60-4' Composite  
E409045-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436089	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2436080	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane	94.6 %	50-200		09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436096	
Chloride	ND	20.0	1	09/07/24	09/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436089-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

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	7.68		8.00		96.0	70-130			

LCS (2436089-BS1) Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

Matrix Spike (2436089-MS1) Source: E409045-02 Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.7	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	4.99	0.0250	5.00	ND	99.8	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike Dup (2436089-MSD1) Source: E409045-02 Prepared: 09/07/24 Analyzed: 09/07/24

Benzene	5.22	0.0250	5.00	ND	104	54-133	2.99	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	3.15	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	3.02	20	
o-Xylene	5.14	0.0250	5.00	ND	103	63-131	3.00	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	3.07	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	3.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 4:59:44PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436089-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2436089-BS2) Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			

Matrix Spike (2436089-MS2) Source: E409045-02 Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2436089-MSD2) Source: E409045-02 Prepared: 09/07/24 Analyzed: 09/07/24

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.5	70-130	5.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 4:59:44PM

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
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Blank (2436080-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

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

LCS (2436080-BS1) Prepared: 09/07/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	224	25.0	250		89.5	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

LCS Dup (2436080-BSD1) Prepared: 09/07/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132	3.61	20	
Surrogate: n-Nonane	46.4		50.0		92.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 4:59:44PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436096-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	ND	20.0							
LCS (2436096-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	251	20.0	250		101	90-110			
LCS Dup (2436096-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	252	20.0	250		101	90-110	0.0708	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 16:59

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



## Project Information

## Chain of Custody

Page 5 of 18

<b>Client:</b> Pima Environmental Services <b>Project:</b> Thistle Unit #65 H <b>Project Manager:</b> Gio Gomez <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> gio@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1-157					<b>Lab Use Only</b> <b>Lab WO#</b> E 40-1045 <b>Job Number</b> 01058-0007					<b>TAT</b> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				<b>EPA Program</b> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
					<b>Analysis and Method</b> DRO/ORO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> NM <input checked="" type="checkbox"/> TX <input type="checkbox"/>					<b>State</b> NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				<b>Remarks</b>						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
3:23	9/5	S		CS41-4'	1															
3:31				CS42-4'	2															
3:37				CS43-4'	3															
3:41				CS44-4'	4															
3:42				CS45-4'	5															
3:56				CS46-4'	6															
3:59				CS47-4'	7															
4:07				CS48-4'	8															
4:16				CS49-4'	9															
4:26				CS50-4'	10															
<b>Additional Instructions:</b> Billing# 21147650																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) Karime Adame Date 9/6/24 Time 1400										Received by: (Signature) Michelle Gonzales Date 9-6-24 Time 1400										
Relinquished by: (Signature) Michelle Gonzales Date 9-6-24 Time 1630										Received by: (Signature) [Signature] Date 9-6-24 Time 1648										
Relinquished by: (Signature) [Signature] Date 9-6-24 Time 2354										Received by: (Signature) Karina Lehman Date 9/7/24 Time 16:00										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Project Information

## Chain of Custody

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Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program					
Project: <u>Thistle Unit #65 #</u>					Attention: <u>Devon</u>		Lab WO# <u>E 409045</u>		Job Number <u>01038-0007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:								<input checked="" type="checkbox"/>					
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip												RCRA	
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:													
Phone: <u>806-782-1151</u>					Email:													
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>1-157</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	BDOC TX		State		
																NM	CO	
																<input checked="" type="checkbox"/>	UT	
																AZ	TX	
Remarks																		
4:31	9/5	S		CS51 -4'	11								X					
4:39				CS52 -4'	12													
4:42				CS53 -4'	13													
4:50				CS54 -4'	14													
4:56				CS55 -4'	15													
4:59				CS56 -4'	16													
5:07				CS57 -4'	17													
5:11				CS58 -4'	18													
5:14				CS59 -4'	19													
5:19				CS60 -4'	20													
Additional Instructions: <u>Billing# 21147650</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature) <u>Karine Adams</u> Date <u>9/6/24</u> Time <u>9/6/24</u>												Received by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1400</u>						
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1630</u>												Received by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>1648</u>						
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>2354</u>												Received by: (Signature) <u>Kana Lehmy</u> Date <u>9/7/24</u> Time <u>6:00</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

## Envirotech Analytical Laboratory

Printed: 9/9/2024 10:40:22AM

## 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:	09/07/24 06:00	Work Order ID:	E409045
Phone:	(575) 631-6977	Date Logged In:	09/07/24 06:10	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project: Thistle Unit #65H split between E409043 through E409047. Number of containers and sampled by not marked on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 6 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65 #</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>E409045</u> Job Number <u>01008-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																
4:31	9/5	S		CS51 -4'	11	Composite Sample names changed per D. Geller 9/9/24. EAS																
4:39				CS52 -4'	12																	
4:42				CS53 -4'	13																	
4:50				CS54 -4'	14																	
4:56				CS55 -4'	15																	
4:59				CS56 -4'	16																	
5:07				CS57 -4'	17																	
5:11				CS58 -4'	18																	
5:14				CS59 -4'	19																	
5:19				CS60 -4'	20																	
Additional Instructions: <u>Billing# 21147650</u>																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																						
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3 AVG Temp °C <u>4</u>														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														

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

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





## Project Information

## Chain of Custody

Page 5 of 18

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program							
Project: <u>Thistle Unit #65 H</u>		Attention: <u>Devon</u>		Lab WO# <u>E401045</u>		Job Number <u>61053-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Gio Gomez</u>		Address:		City, State, Zip		Phone:		Analysis and Method		RCRA					
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip <u>Hobbs, NM, 88240</u>		Phone: <u>806-782-1151</u>		Email: <u>gio@pimaoil.com</u>		State		NM		CO	UT	AZ	TX
Report due by:		Pima Project # <u>1-157</u>													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
3:23	9/5	S		CS41-4'	1							X		Sample names changed per D. Geller 9/9/24. KAS
3:31				CS42-4'	2									
3:37				CS43-4'	3									
3:41				CS44-4'	4									
3:42				CS45-4'	5									
3:56				CS46-4'	6									
3:59				CS47-4'	7									
4:07				CS48-4'	8									
4:16				CS49-4'	9									
4:26				CS50-4'	10									

## Additional Instructions:

Billing# 21147650

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

Sampled by:

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

Relinquished by: (Signature) <u>Karine Adams</u>	Date <u>9/6/24</u>	Time <u>1400</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>9-6-24</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>Y</u> / <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>9-6-24</u>	Time <u>1630</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9-6-24</u>	Time <u>1648</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-6-24</u>	Time <u>2354</u>	Received by: (Signature) <u>Karina Adams</u>	Date <u>9/7/24</u>	Time <u>6:00</u>	

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

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

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


**envirotech**



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E409046

Job Number: 01058-0007

Received: 9/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E409046  
Date Received: 9/7/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 09/09/24 17:04
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS61-4' Composite	E409046-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS62-4' Composite	E409046-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS63-4' Composite	E409046-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS64-4' Composite	E409046-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS65-4' Composite	E409046-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS66-4' Composite	E409046-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS67-4' Composite	E409046-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS68-4' Composite	E409046-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS69-4' Composite	E409046-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS70-4' Composite	E409046-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS71-4' Composite	E409046-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS72-4' Composite	E409046-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS73-4' Composite	E409046-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS74-4' Composite	E409046-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS75-4' Composite	E409046-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS76-4' Composite	E409046-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS77-4' Composite	E409046-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS78-4' Composite	E409046-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS79-4' Composite	E409046-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS80-4' Composite	E409046-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS61-4' Composite

E409046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		99.4 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS62-4' Composite  
E409046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		103 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS63-4' Composite  
E409046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		98.2 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS64-4' Composite

E409046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		100 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS65-4' Composite  
E409046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		111 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		111 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		99.2 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS66-4' Composite  
E409046-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		112 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		112 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		102 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS67-4' Composite  
E409046-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		106 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS68-4' Composite

E409046-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		103 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported: 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS69-4' Composite  
E409046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		111 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		111 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		98.0 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS70-4' Composite  
E409046-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/07/24	09/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	09/07/24	09/08/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		98.8 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS71-4' Composite  
E409046-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		104 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS72-4' Composite  
E409046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		98.2 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS73-4' Composite  
E409046-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/07/24	
Surrogate: n-Nonane		104 %	50-200	09/07/24	09/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS74-4' Composite

E409046-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		95.9 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS75-4' Composite

E409046-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		104 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS76-4' Composite  
E409046-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		101 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS77-4' Composite

E409046-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		102 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS78-4' Composite

E409046-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		109 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		101 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS79-4' Composite  
E409046-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		110 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		98.5 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:04:14PM

## CS80-4' Composite

E409046-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436090
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/07/24	09/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	09/07/24	09/09/24	
Surrogate: Toluene-d8		108 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436079
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane		100 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436097
Chloride	ND	20.0	1	09/07/24	09/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436090-BLK1) Prepared: 09/07/24 Analyzed: 09/09/24

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	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

LCS (2436090-BS1) Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	2.27	0.0250	2.50		90.8	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.1	70-130			
Toluene	2.37	0.0250	2.50		94.8	70-130			
o-Xylene	2.31	0.0250	2.50		92.2	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.1	70-130			
Total Xylenes	6.91	0.0250	7.50		92.1	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2436090-MS1) Source: E409046-03 Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	2.34	0.0250	2.50	ND	93.8	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135			
Toluene	2.48	0.0250	2.50	ND	99.1	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.7	43-135			
p,m-Xylene	4.83	0.0500	5.00	ND	96.5	43-135			
Total Xylenes	7.24	0.0250	7.50	ND	96.6	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

Matrix Spike Dup (2436090-MSD1) Source: E409046-03 Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	2.37	0.0250	2.50	ND	94.7	48-131	0.934	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	0.673	27	
Toluene	2.49	0.0250	2.50	ND	99.7	48-130	0.604	24	
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	0.186	27	
p,m-Xylene	4.90	0.0500	5.00	ND	98.0	43-135	1.52	27	
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135	1.08	27	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 5:04:14PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436090-BLK1) Prepared: 09/07/24 Analyzed: 09/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

LCS (2436090-BS2) Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

Matrix Spike (2436090-MS2) Source: E409046-03 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike Dup (2436090-MSD2) Source: E409046-03 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	2.68	20	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 5:04:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2436079-BLK1) Prepared: 09/07/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			

LCS (2436079-BS1) Prepared: 09/07/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

LCS Dup (2436079-BSD1) Prepared: 09/07/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132	6.10	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 5:04:14PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436097-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	ND	20.0							
LCS (2436097-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	248	20.0	250		99.0	90-110			
LCS Dup (2436097-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	249	20.0	250		99.7	90-110	0.673	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 17:04

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

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

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



## Project Information

## Chain of Custody

Page 7 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Thistle Unit #65 H</u>					Attention: <u>Devon</u>		Lab WO# <u>409046</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:											
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>1-157</u>											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
5:20	5/9	S		CS61-4'	1							X		
5:23				CS62-4'	2									
5:29				CS63-4'	3									
5:30				CS64-4'	4									
5:36				CS65-4'	5									
5:42				CS66-4'	6									
5:49				CS67-4'	7									
5:56				CS68-4'	8									
5:59				CS69-4'	9									
6:00				CS70-4'	10									

Additional Instructions: Billing# 21147650

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

Relinquished by: (Signature) Carime Adame Date 9/6/24 Time 1400

Relinquished by: (Signature) Michelle Gonzales Date 9-6-24 Time 1630

Relinquished by: (Signature) [Signature] Date 9-6-24 Time 2354

Received by: (Signature) Michelle Gonzales Date 9-6-24 Time 1400

Received by: (Signature) [Signature] Date 9-6-24 Time 1648

Received by: (Signature) Carime Adame Date 9/7/24 Time 6:00

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

Lab Use Only

Received on ice: Y / N

T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_

AVG Temp °C 4

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

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

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



## Project Information

## Chain of Custody

Page 8 of 10

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>Thistle Unit #05H</u>					Attention: <u>Devon</u>					Lab WO# <u>F 409046</u>					Job Number <u>01058-0557</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:					Analysis and Method									RCRA					
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																			
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:														State					
Phone: <u>806-782-1151</u>					Email:																			
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>1-157</u>														NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>					
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks										
6:09	9/5	S		CS71-4'	11							X												
6:11				CS72-4'	12																			
6:17				CS73-4'	13																			
6:20				CS74-4'	14																			
6:29				CS75-4'	15																			
6:31				CS76-4'	16																			
6:35				CS77-4'	17																			
6:42				CS78-4'	18																			
6:49				CS79-4'	19																			
6:50				CS80-4'	20																			
Additional Instructions: <u>Billing # 21147650</u>																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only												
<u>Karime Adams</u>		<u>9/6/24</u>		<u>1400</u>		<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1400</u>		Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1												
<u>Michelle Gonzales</u>		<u>9-6-24</u>		<u>1630</u>		<u>[Signature]</u>		<u>9-6-24</u>		<u>1628</u>		T2												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3												
<u>[Signature]</u>		<u>9-6-24</u>		<u>2354</u>		<u>Kana Jerny</u>		<u>9/7/24</u>		<u>6:50</u>		AVG Temp °C <u>4</u>												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:28:59AM

## 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:	09/07/24 06:00	Work Order ID:	E409046
Phone:	(575) 631-6977	Date Logged In:	09/07/24 06:11	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project: Thistle Unit #65H split between E409043 through E409047. Number of containers and sampled by not marked on COC by client. Incorrect sample date on Pg 7 of 10 of COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 7 of 10

<b>Client:</b> Pima Environmental Services <b>Project:</b> Thistle Unit #65H <b>Project Manager:</b> Gio Gomez <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> gio@pimaoil.com <b>Report due by:</b>				<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1-157				<b>Lab Use Only</b> <b>Lab WO#</b> E409046 <b>Job Number</b> D1058009				<b>TAT</b> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				<b>EPA Program</b> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>			
				<b>Analysis and Method</b> DRO/ORO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> BGDOC NM <input checked="" type="checkbox"/> BGDOC TX <input type="checkbox"/>				<b>State</b> NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				<b>Remarks</b>							
<b>Time Sampled</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>No. of Containers</b>	<b>Sample ID</b>	<b>Lab Number</b>														
5:20	9/9	S		CS61-4' composite	1												Corrected		
5:23	9/5			CS62-4' composite	2												Sample date.		
5:29				CS63-4' composite	3												CM 9/9/24		
5:30				CS64-4' composite	4														
5:36				CS65-4' composite	5														
5:42				CS66-4' composite	6														
5:49				CS67-4' composite	7														
5:56				CS68-4' composite	8														
5:59				CS69-4' composite	9												sample names		
6:00				CS70-4' composite	10												changed per D. Sellar		
<b>Additional Instructions:</b> Billing # 21147650																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																			
Relinquished by: (Signature) Karime Adame Date 9/6/24 Time 1400				Received by: (Signature) Michelle Gonzales Date 9-6-24 Time 1400				<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N											
Relinquished by: (Signature) Michelle Gonzales Date 9-6-24 Time 1630				Received by: (Signature) [Signature] Date 9-6-24 Time 1648				T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature) [Signature] Date 9-6-24 Time 2354				Received by: (Signature) Karina Suring Date 9/7/24 Time 6:00				AVG Temp °C 4											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Project Information

## Chain of Custody

Page 8 of 10

<b>Client:</b> Pima Environmental Services <b>Project:</b> <u>Thistle Unit #65H</u> <b>Project Manager:</b> <u>Gio Gomez</u> <b>Address:</b> <u>5614 N. Lovington Hwy.</u> <b>City, State, Zip:</b> <u>Hobbs, NM, 88240</u> <b>Phone:</b> <u>806-782-1151</u> <b>Email:</b> <u>gio@pimaoil.com</u> <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> <u>Devon</u> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> <u>1-157</u>					<b>Lab Use Only</b> <b>Lab WO#</b> <u>E409046</u> <b>Job Number</b> <u>01058-0507</u> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8250 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				<b>EPA Program</b> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
6:09	9/5	S		CS71-4'	11	Composite														
6:11				CS72-4'	12	Composite														
6:17				CS73-4'	13	Composite														
6:20				CS74-4'	14	Composite														
6:29				CS75-4'	15	Composite														
6:31				CS76-4'	16	Composite														
6:35				CS77-4'	17	Composite														
6:42				CS78-4'	18	Composite														
6:49				CS79-4'	19	Composite														
6:50				CS80-4'	20	Composite														
<b>Additional Instructions:</b> <u>Billing # 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Karime Adams		9/6/24		1400		Michelle Gonzales		9-6-24		1400										
Michelle Gonzales		9-6-24		1630		[Signature]		9-6-24		1648										
[Signature]		9-6-24		2354		Kana [Signature]		9/7/24		6:50										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Thistle Unit 65 H

Work Order: E409047

Job Number: 01058-0007

Received: 9/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Thistle Unit 65 H  
Workorder: E409047  
Date Received: 9/7/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: Thistle Unit 65 H.

The analytical test results summarized in this report with the Project Name: Thistle Unit 65 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 17:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS81-4' Composite	E409047-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS82-4' Composite	E409047-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS83-4' Composite	E409047-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CS84-4' Composite	E409047-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW1- 0-4' Composite	E409047-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW2- 0-4' Composite	E409047-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW3- 0-4' Composite	E409047-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW4- 0-4' Composite	E409047-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW5- 0-4' Composite	E409047-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW6- 0-4' Composite	E409047-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW7- 0-4' Composite	E409047-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW8- 0-4' Composite	E409047-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW9- 0-4' Composite	E409047-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW10- 0-4' Composite	E409047-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW11- 0-4' Composite	E409047-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW12- 0-4' Composite	E409047-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW13- 0-4' Composite	E409047-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW14- 0-4' Composite	E409047-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW15- 0-4' Composite	E409047-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
CSW16- 0-4' Composite	E409047-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Thistle Unit 65 H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 9/9/2024 5:06:08PM
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CS81-4' Composite  
E409047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	88.8 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS82-4' Composite  
E409047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.7 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	90.5 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CS83-4' Composite

E409047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.9 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>	88.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CS84-4' Composite

E409047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	93.7 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1- 0-4' Composite  
E409047-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	90.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW2- 0-4' Composite  
E409047-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.6 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	85.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW3- 0-4' Composite

E409047-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	87.7 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW4- 0-4' Composite  
E409047-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	93.1 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/07/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW5- 0-4' Composite

E409047-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	





## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW6- 0-4' Composite

E409047-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW7- 0-4' Composite  
E409047-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	85.2 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW8- 0-4' Composite  
E409047-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	86.7 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW9- 0-4' Composite

E409047-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	86.4 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW10- 0-4' Composite

E409047-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	88.7 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW11- 0-4' Composite  
E409047-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	45.1	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	93.5 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



## Sample Data

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

Project Name: Thistle Unit 65 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
9/9/2024 5:06:08PM

## CSW12- 0-4' Composite

E409047-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	25.4	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW13- 0-4' Composite  
E409047-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.2 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	86.6 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW14- 0-4' Composite  
E409047-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
<i>Surrogate: n-Nonane</i>		88.2 %	50-200	09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW15- 0-4' Composite  
E409047-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	90.2 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	<b>Reported:</b> 9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW16- 0-4' Composite  
E409047-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Benzene	ND	0.0250	1	09/07/24	09/09/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/09/24	
Toluene	ND	0.0250	1	09/07/24	09/09/24	
o-Xylene	ND	0.0250	1	09/07/24	09/09/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/09/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/09/24	
Surrogate: 4-Bromochlorobenzene-PID	99.5 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.6 %	70-130		09/07/24	09/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436078	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/24	09/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/24	09/08/24	
Surrogate: n-Nonane	94.0 %	50-200		09/07/24	09/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436098	
Chloride	ND	20.0	1	09/07/24	09/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 5:06:08PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436091-BLK1) Prepared: 09/07/24 Analyzed: 09/08/24

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	7.18		8.00		89.8	70-130			

LCS (2436091-BS1) Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			

Matrix Spike (2436091-MS1) Source: E409047-04 Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.05	0.0250	5.00	ND	101	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.4	70-130			

Matrix Spike Dup (2436091-MSD1) Source: E409047-04 Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	5.09	0.0250	5.00	ND	102	54-133	0.993	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	1.34	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	1.25	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	1.32	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.12	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	1.19	20	
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436091-BLK1) Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

LCS (2436091-BS2) Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			

Matrix Spike (2436091-MS2) Source: E409047-04 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

Matrix Spike Dup (2436091-MSD2) Source: E409047-04 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130	5.37	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:  9/9/2024 5:06:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio 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
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Blank (2436078-BLK1)					Prepared: 09/07/24 Analyzed: 09/08/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.8		50.0		89.5	50-200			

LCS (2436078-BS1)					Prepared: 09/07/24 Analyzed: 09/08/24				
Diesel Range Organics (C10-C28)	214	25.0	250		85.5	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

LCS Dup (2436078-BSD1)					Prepared: 09/07/24 Analyzed: 09/08/24				
Diesel Range Organics (C10-C28)	221	25.0	250		88.5	38-132	3.52	20	
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle Unit 65 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 5:06:08PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436098-BLK1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	ND	20.0							
LCS (2436098-BS1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	250	20.0	250		100	90-110			
LCS Dup (2436098-BSD1)					Prepared: 09/07/24 Analyzed: 09/07/24				
Chloride	250	20.0	250		100	90-110	0.104	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 65 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 17:06

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



## Project Information

## Chain of Custody

Page 9 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #654</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>404047</u> Job Number <u>01059-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				EPA Program CWA SDWA RCRA	
Time Sampled Date Sampled Matrix No. of Containers Sample ID Lab Number					State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Remarks															
6:53		S		CS81	1															
6:58				CS82	2															
7:00				CS83	3															
7:07				CS84	4															
7:11				CSW1	5															
7:20				CSW2	6															
7:23				CSW3	7															
7:29				CSW4	8															
7:31				CSW5	9															
7:34				CSW6	10															
Additional Instructions: <u>Billing # 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) <u>Karlene Adams</u> Date <u>9/6/24</u> Time <u>1400</u>					Received by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1400</u>					Lab Use Only Received on ice: <u>Y</u> / N										
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1630</u>					Received by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>1648</u>					T1 T2 T3										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>2354</u>					Received by: (Signature) <u>Karina Schum</u> Date <u>9/7/24</u> Time <u>6:00</u>					AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Project Information

## Chain of Custody

Page 10 of 10

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																																			
Project: <u>Thistle Unit #65H</u>					Attention: <u>Devon</u>					Lab WO# <u>409047</u>					Job Number <u>01050007</u>				1D	2D	3D	Standard	CWA	SDWA																														
Project Manager: <u>Gio Gomez</u>					Address:					Analysis and Method									RCRA																																			
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																																																	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:					DRO/ORO by 8015					GRO/DRO by 8015					BTEX by 8021					VOC by 8260					Metals 6010					Chloride 300.0					BGDOC NM					BGDOC TX					State				
Phone: <u>806-782-1151</u>					Email:																																																	
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>1-157</u>					NM					CO					UT					AZ					TX																								
Report due by:																																																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																																
7:40	9/5	S		CSW7	11																																																	
7:42				CSW8	12																																																	
7:48				CSW9	13																																																	
7:50				CSW10	14																																																	
7:52				CSW11	15																																																	
7:59				CSW12	16																																																	
8:00				CSW13	17																																																	
8:01				CSW14	18																																																	
8:08				CSW15	19																																																	
8:12				CSW16	20																																																	
Additional Instructions:																																																						
Billing # 21147650																																																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																																							
Relinquished by: (Signature) <u>Carime Adame</u>															Received by: (Signature) <u>Michelle Gonzales</u>																																							
Date <u>9/6/24</u> Time <u>1400</u>															Date <u>9-6-24</u> Time <u>1400</u>																																							
Relinquished by: (Signature) <u>Michelle Gonzales</u>															Received by: (Signature) <u>Devon</u>																																							
Date <u>9-6-24</u> Time <u>1630</u>															Date <u>9-6-24</u> Time <u>1648</u>																																							
Relinquished by: (Signature) <u>Devon</u>															Received by: (Signature) <u>Ravindran</u>																																							
Date <u>9-6-24</u> Time <u>2359</u>															Date <u>9/7/24</u> Time <u>16:00</u>																																							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																						

## Envirotech Analytical Laboratory

Printed: 9/9/2024 10:52:25AM

## 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:	09/07/24 06:00	Work Order ID:	E409047
Phone:	(575) 631-6977	Date Logged In:	09/07/24 06:12	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project: Thistle Unit #65H split between E409043 through E409047. Number of containers and sampled by not marked on COC by client. Date sampled missing on Pg 9 of 10 COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 9 of 10

<b>Client:</b> Pima Environmental Services <b>Project:</b> <u>Thistle Unit #654</u> <b>Project Manager:</b> Gio Gomez <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> gio@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> <u>Devon</u> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> <u>1-157</u>					<b>Lab Use Only</b> <b>Lab WO#</b> <u>E 409047</u> <b>Job Number</b> <u>01059 0007</u> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
6:53		S		CS81 - 4' composite	1							X		Sample names changed per DGeller 9/17/24 - RAB						
6:58				CS82 - 4'	2															
7:00				CS83 - 4'	3															
7:07				CS84 - 4'	4															
7:11				CSW1 - 0-4' Composite	5															
7:20				CSW2 - 0-4' composite	6															
7:23				CSW3 - 0-4' composite	7															
7:29				CSW4 - 0-4' composite	8															
7:31				CSW5 - 0-4' Composite	9															
7:34				CSW6 - 0-4' Composite	10															
<b>Additional Instructions:</b> <u>Billing # 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	<b>Lab Use Only</b> Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


**envirotech**



## Project Information

## Chain of Custody

Page 10 of 10

Client: Pima Environmental Services Project: <u>Thistle Unit #65H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-157</u>					Lab Use Only Lab WO# <u>E409047</u> Job Number <u>01052007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
7:40	9/5	S		CSW7 -0-4' composite	11							X		Sample names changed per D. Geller 9/9/17 KAS						
7:42				CSW8	12															
7:48				CSW9	13															
7:50				CSW10	14															
7:52				CSW11	15															
7:59				CSW12	16															
8:00				CSW13	17															
8:01				CSW14	18															
8:08				CSW15	19															
8:12 <sup>PM</sup>				CSW16	20															
Additional Instructions: <u>Billing # 21147650</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>Carime Azame</u> Date <u>9/6/24</u> Time <u>1400</u>					Received by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1400</u>					Lab Use Only Received on ice: <u>Y</u> / N T1 T2 T3 AVG Temp °C <u>4</u>										
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>9-6-24</u> Time <u>1630</u>					Received by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>1648</u>															
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-6-24</u> Time <u>2359</u>					Received by: (Signature) <u>Ravindran</u> Date <u>9/7/24</u> Time <u>16:00</u>															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 385487

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 385487
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nRM2019860183
Incident Name	NRM2019860183 THISTLE UNIT #65H @ 30-025-41303
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-41303] THISTLE UNIT #065H

**Location of Release Source***Please answer all the questions in this group.*

Site Name	THISTLE UNIT #65H
Date Release Discovered	07/06/2020
Surface Owner	State

**Incident Details***Please answer all the questions in this group.*

Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Valve   Produced Water   Released: 363 BBL   Recovered: 301 BBL   Lost: 62 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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Action 385487

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 09/20/2024
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Action 385487

**QUESTIONS (continued)**

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	Action Number: 385487
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**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	197
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	45.1
GRO+DRO (EPA SW-846 Method 8015M)	45.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/21/2024
On what date will (or did) the final sampling or liner inspection occur	09/05/2024
On what date will (or was) the remediation complete(d)	09/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	16792
What is the estimated volume (in cubic yards) that will be reclaimed	2487
What is the estimated surface area (in square feet) that will be remediated	16792
What is the estimated volume (in cubic yards) that will be remediated	2487
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 385487

**QUESTIONS (continued)**

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	Action Number: 385487
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**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 09/20/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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Action 385487

QUESTIONS (continued)

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QUESTIONS

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

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Action 385487

**QUESTIONS (continued)**

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**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	379972
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2024
What was the (estimated) number of samples that were to be gathered	100
What was the sampling surface area in square feet	16792

**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	16792
What was the total volume (cubic yards) remediated	2487
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	16792
What was the total volume (in cubic yards) reclaimed	2487
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 09/20/2024
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QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 385487

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation closure report approved, release resolved.	12/11/2024