



## REMEDIATION CLOSURE REPORT

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PREPARED FOR:  
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC.

SEPTEMBER 17, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2  
811 S First St  
Artesia, NM 88210

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

**RE:** Remediation Closure Report  
**LOCATION:** West Shugart 29 Federal #001  
**API #:** 30-015-29948  
**GPS (NAD83):** 32.715643, -103.894921  
**INCIDENT LOCATION:** K-29-T18S-R31E  
**COUNTY:** Eddy  
**NMOCD REF. NO.** nAB1808253927

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Remediation Closure Report for a produced water release that occurred at the West Shugart 29 Federal #001 (West Shugart). This incident was assigned Incident ID nAB1808253927 by the New Mexico Oil Conservation Division (NMOCD).

**RELEASE INFORMATION**

**nAB1808253927:** On March 11, 2018, the water haulers did not pull load from water tank and tank over filled spilling produced water into the dirt SPCC containment. All fluids stayed in the earthen SPCC containment. The wells were immediately shut off to prevent farther release. Approximately 9.4 bbls of produced water was released from the water tank in an unlined earthen berm SPCC containment. A vacuum truck was dispatched and recovered approximately 5 bbls of produced water. An environmental contractor will be contacted to assist with delineation and remediation efforts.

**SITE CHARACTERIZATION**

The West Shugart is located approximately eight (8) miles southeast of Loco Hills, NM. This release area is in Unit K, Section 29, Township 18S, Range 31E, Latitude 32.715643 Longitude -103.894921, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sand, 0-3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class is well drained. There is a low potential for karst geology to be present around the West Shugart (Figure 3) with the nearest medium karst zone being 0.63 miles west. A Topographic Map can be referenced in Figure 2.

Based on the well water data from the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (bgs). The closest POD with information is CP-02060-POD1 which was drilled in May 2025 and is approximately 0.02 of a mile away from this release area. Conversely, as per the United States Geological Survey well water data the nearest groundwater depth in this region is recorded at 204 feet bgs, from well USGS 324241103561201 18S.30E.26.4140, which is situated approximately 2.52 miles away from the West Shugart. For detailed Water Surveys and Water-Related Maps please refer to Appendix A.

According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Riverine lies approximately 2 miles to



the west of the West Shugart release area. According to a FEMA search for flood hazard information, the West Shugart is in Zone X – Area of Minimal Flood Hazard.

Closure criteria for releases at the West Shugart pad surface are classified under the 51'-100' foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 10,000 mg/kg, TPH (GRO+DRO+MRO) should be less than 2,500 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

A desktop review of the Shugart was performed and found to not be in range of any Special Status Plant Species. However, this site is located within the Isolated Population Area of the Lesser Prairie Chicken, and Dunes Sage Brush Lizard Habitat. Remediation and reclamation activities strictly adhered to timing restrictions and complied with all requirements listed in the Protection Act regarding these species. A Special Status Plant/Wildlife Map can be referenced in Figure 9.

### SITE ASSESSMENT ACTIVITIES

On May 12, 2023, Pima Environmental mobilized personnel to the site to collect soil samples using a hand auger from the spill areas to delineate the release. Staining was found inside the earthen berm around the tanks, and in three different areas in the pasture adjacent to a poly flowline. Thirty-three (33) discrete samples were collected for the purpose of vertical delineation from 9 different sample points within the release areas. These samples were collected from depths of 1', 2', 3', and 4' bgs. Fourteen (14) discrete samples were collected from the edges of the release areas for the purpose of horizontal delineation. These samples were collected from a depth of 6" bgs from each sample point. A total of forty-seven (47) samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On May 26, 2023, as delineation was still unclear, Pima personnel returned to the site to collect additional samples from the previous sample points within the earthen berm area. Sample points S-1 and S-4 were advanced to 7' bgs, and sample points S-2 and S-3 were advanced to 8' bgs. A total of eight (8) samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On June 14, 2023, Pima personnel returned to the location to complete delineation of the pasture areas and collect additional samples from the earthen berm area to more accurately portray vertical delineation. Five (5) additional samples were collected from within the earthen berm area from 5' and 6' depths bgs. The sample points in the pasture area were each advanced to a depth of 6' bgs to confirm vertical delineation. Ten (10) samples were collected from these 5 sample points. A total of fifteen (15) samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On June 4, 2024, Pima personnel returned to the location to complete horizontal delineation of the release areas. The previously collected horizontal delineation samples were not sufficient for full delineation as they were only collected from a depth of 6" bgs. During this sampling event, sixty (60) subsamples were collected from 12 different sample points around the edges of each area. These subsamples were combined to create composite samples each including depths of 0', 1', 2', 3', and 4' bgs. A total of 4 sample points were collected from each area. A total of 12 samples were put on ice, jarred, and delivered to Cardinal Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

All sample results can be found in the Data Tables in Figure 5. A corresponding Old Site Map can be found in Figure 4. Complete laboratory reports can be found in Appendix E.

### REMEDIATION ACTIVITIES

On February 11, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin excavating the area of concern. The entire 1,600 square foot area around the tanks was excavated using hand tools to a depth of approximately 1.5' bgs. Approximately 89 cubic yards of soil were removed and hauled to R360 for



disposal. Clean, like material was brought back to the site and stockpiled to be used for backfilling. This excavation was combined with the excavation for nAPP2313055690, as the incidents overlapped. Photographic Documentation can be found in Appendix D.

On February 21, 2025, after Devon submitted a 48-hour notification for sampling (Appendix C), Pima returned to the site to collect 5-point composite samples of the excavated area. Forty (40) subsamples were collected to create eight (8) composite samples of the base of the excavation. Thirty (30) subsamples were collected to create six (6) composite samples of the walls of the excavation. A total of fourteen (14) samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratory for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. Sample results can be referenced in the Data Tables included in Figure 5. A corresponding Confirmation Sample Map (A) can be referenced in Figure 6. Complete Laboratory Reports are included in Appendix E.

Devon personnel have expressed that further excavation of the release area is unfeasible due to the presence of facility infrastructure (i.e., tank battery and plumbing) and the associated safety concerns in further encroaching on the infrastructure. Horizontal and vertical delineation was completed with the June 4, 2024, sampling event, and Devon does not believe deferral will result in imminent risk to human health, the environment, or groundwater.

A Deferral Closure Report was submitted to the NMOCD on March 10, 2025, Application ID: 440779 and was denied on March 11, 2025.

### COUNTERMEASURES DUE TO REJECTION

On March 11, 2025, the NMOCD denied the 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#) NAB1808253927, for the following reasons:

- Deferral denied. Contamination located in areas not reasonably needed for production or subsequent drilling activities (identified as Pasture Area 1, Pasture Area 2, Pasture Area 3) must be remediated prior to requesting a deferral. The included site map does not show that these areas were remediated, and confirmation/final samples were collected from the bases of the excavations that can be seen in some of the included pictures. Confirmation samples included in the data table dated 6/4/2024 are not illustrated on a scaled map. OCD is unable to determine which excavations belong to nAPP2313055690 and which excavations belong to nAB1808253927, as they are not labeled on the maps. Previously submitted information indicates that both releases were within the earthen berm. OCD is requesting that the next report include an explanation of how it was determined that "Devon does not believe deferral will result in imminent risk to human health, the environment, or groundwater" when groundwater depth in the vicinity of the release has not been confirmed and Devon has chosen to remediate to the most stringent closure criteria as the closest wells with depth to groundwater information is greater than 2 miles from the site. Submit a complete and accurate report through the OCD Permitting website by 4/11/2025.

Regarding remediation of Pasture Area 1, Pasture Area 2, and Pasture Area 3, a Remediation Work Plan was submitted for these areas (Incident ID: nAPP2313055690) and conditionally approved by the NMOCD on December 10, 2024. A note was included stating, "Be advised, this approval is specifically for nAPP2313055690 and does not apply to nAB1808253927."

A Remediation Closure Report was submitted for nAPP2313055690 on March 17, 2025, and was approved by the NMOCD on March 25, 2025, Application ID: 443122. A Reclamation Report was submitted on April 14, 2025, and was approved by the NMOCD on April 25, 2025, Application ID: 451429. NMOCD shows the action status for this incident "Pending Revegetation Plan".

Included in the approved Remediation Closure Report for nAPP2313055690 was a paragraph under "Remediation Activities" addressing that the two incidents were being handled separately, and stated the following:

"Moving forward, these two incidents will be addressed individually. Any information that was previously combined will be noted and/or watermarked to distinguish between associated incidents. Information associated with incident,





nAPP2313055690, will be included in this report. Information associated with incident, nAB1808253927, will be included in the report submitted for that incident. Let it also be noted that the portion of this release, nAPP2313055690, that occurred inside the earthen berm area will be addressed in the nAB1808253927 report as the two release areas inside the earthen berm overlap.”

Since the last Deferral Closure Report was submitted and denied, Devon has removed all infrastructure (i.e., tank battery and plumbing) in order to prepare for reclamation. A borehole was also drilled to establish usable depth to groundwater. The groundwater information from CP-02060-POD, which is approximately 121 feet to the west of this release area, establishes a lack of groundwater at 55’ bgs. This POD was drilled and recorded by H & R Enterprises, LLC on May 14, 2025. The bore was left open for the required 72-hour timeframe then check for saturation. No saturation or water-bearing soil was encountered; the well was then plugged. Closure criteria for releases at the West Shugart pad surface are classified under the 51’-100’ foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 10,000 mg/kg, TPH (GRO+DRO+MRO) should be less than 2,500 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

### NEW REMEDIATION ACTIVITIES

On July 29, 2025, Devon construction department and Pima mobilized personnel and equipment to the site to begin excavating the entire area located inside the earthen berm, to include the area where infrastructure previously existed. The entire 3,527 square foot area was excavated to a depth of approximately 5’ bgs, in order to meet criteria for reclamation standards. Approximately 653 cubic yards of soil were removed and hauled to R360 for disposal. Clean, like material was brought back to the site and stockpiled to be used for backfilling. An Excavation Map can be referenced in Figure 7. Photographic Documentation can be found in Appendix D.

On August 1, 2025, after Devon submitted a 48-hour notification for sampling (Appendix C), Pima returned to the site to collect 5-point composite samples of the excavated area. Ninety (90) subsamples were collected to create eight (18) composite samples of the base of the excavation. Twenty (20) subsamples were collected to create six (4) composite samples of the walls of the excavation. Each composite sample represented an area of no more than 200 square feet. A total of twenty-two (22) samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratory for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. Sample results can be referenced in the Data Tables included in Figure 5. A corresponding Confirmation Sample Map (B) can be referenced in Figure 8. Complete Laboratory Reports are included in Appendix E.

On August 5, 2025, Pima received the official laboratory report verifying that the contamination had been sufficiently removed from the excavated area and met the closure criteria according to the 51-100’ section of Table 1 19.15.29 NMAC. Two (2) backfill samples were collected; sample results can be referenced in the Data Tables included in Figure 5. Complete laboratory Reports are included in Appendix E. The excavated area was then backfilled, ensuring a minimum of four feet of non-waste containing earthen material. Photographic Documentation can be found in Appendix D.

### CLOSURE REQUEST

After thorough review, Pima requests the closure of incident nAB1808253927.

Devon has met all applicable closure requirements outlined in 19.15.29.12 NMAC and respectfully submits this Remediation Closure Report for approval. Once NMOCD approves the Remediation Closure Report, a reclamation and revegetation plan will be submitted for approval.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.ralej@dvn.com](mailto:jim.ralej@dvn.com)

Pima Environmental – 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- Old Site Map
- 5- Data Tables
- 6- Confirmation Sample Map (A)
- 7- Excavation Map
- 8- Confirmation Sample Map (B)
- 9- Special Status Plant/Wildlife Map

### APPENDICES:

Appendix A – Water Surveys & Water-Related Maps

Appendix B – Soil Survey & Geological Data

Appendix C – 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



## FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
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- 7- Excavation Map
- 8- Confirmation Sample Map (B)
- 9- Special Status Plant/Wildlife Map



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West Shugart 29 Federal #001 | nAB1808253927


DEVON ENERGY PRODUCTION, LP.

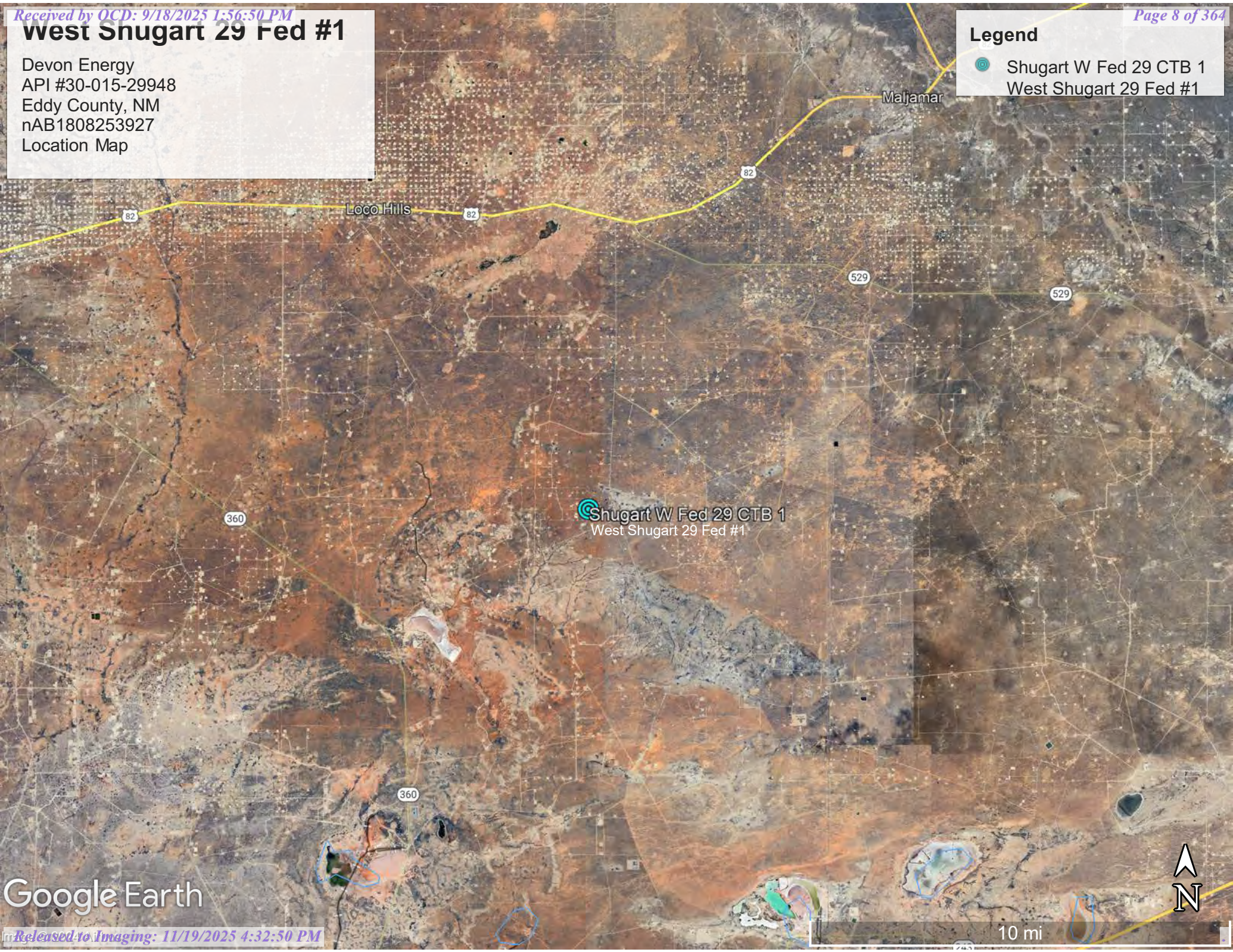


# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Location Map

## Legend

-  Shugart W Fed 29 CTB 1
- West Shugart 29 Fed #1



Google Earth

10 mi





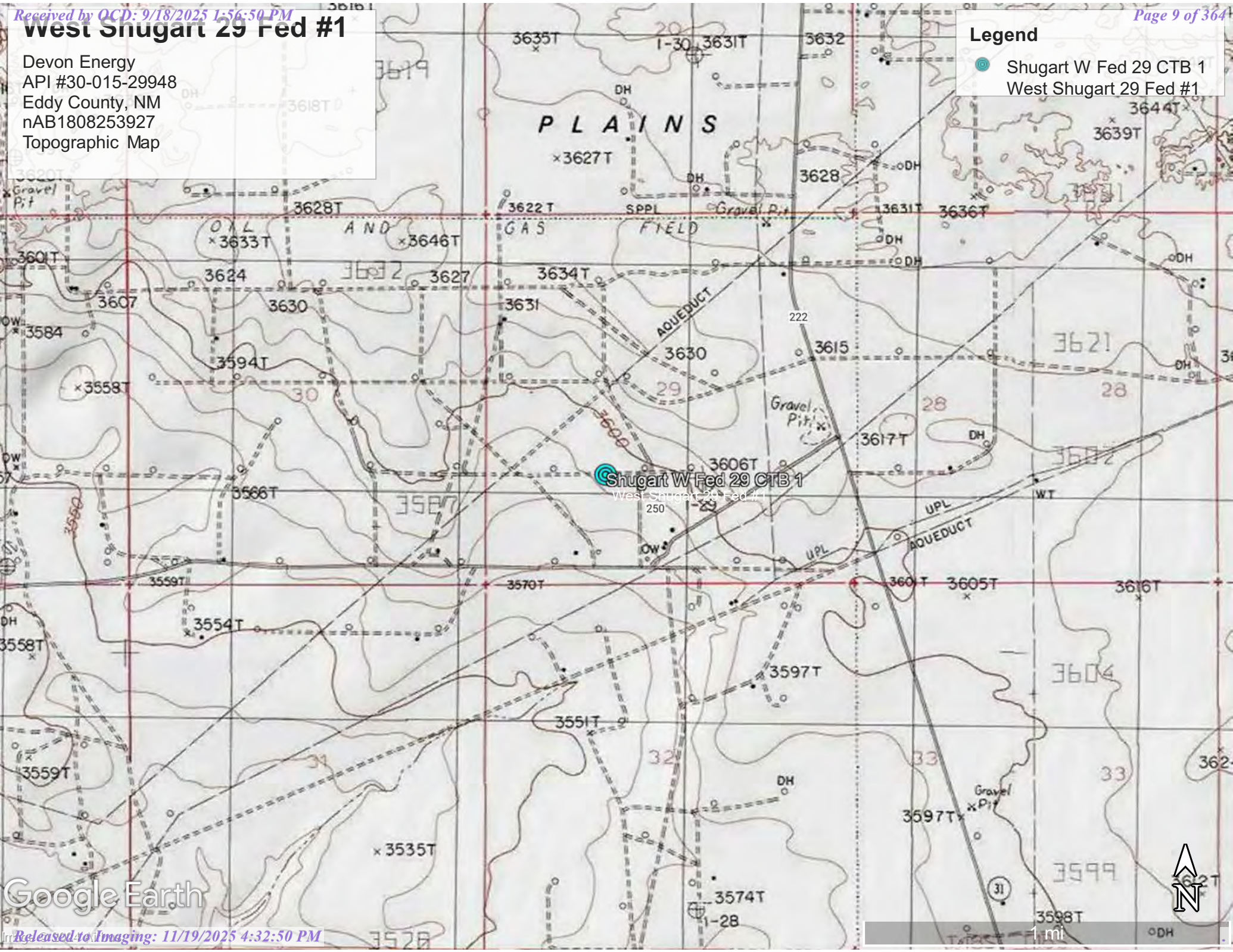


# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Topographic Map

## Legend

-  Shugart W Fed 29 CTB 1
-  West Shugart 29 Fed #1



Shugart W Fed 29 CTB 1  
West Shugart 29 Fed #1

Google Earth






1 mi

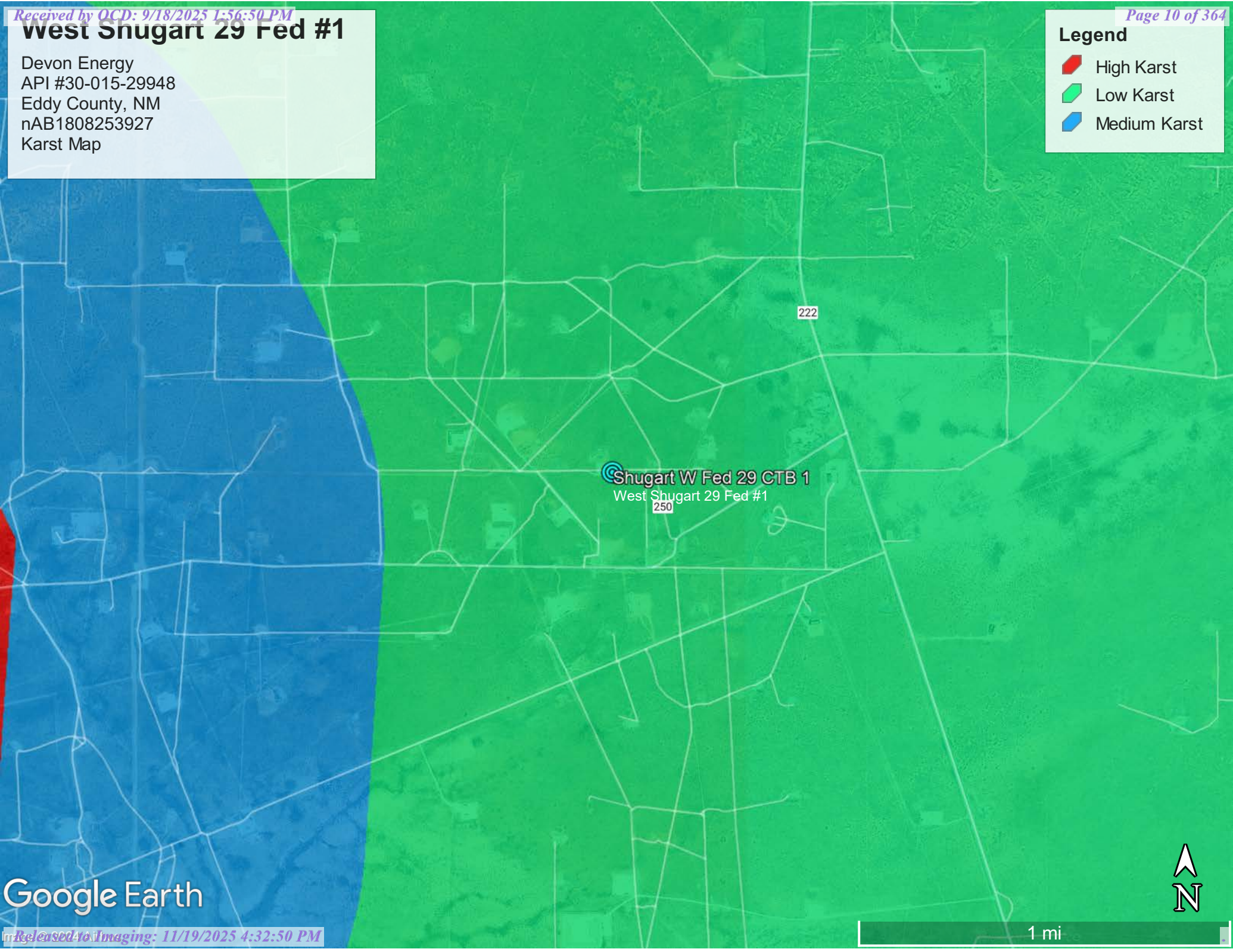


# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst



Shugart W Fed 29 CTB 1  
West Shugart 29 Fed #1  
250

222

250

Google Earth










1 mi



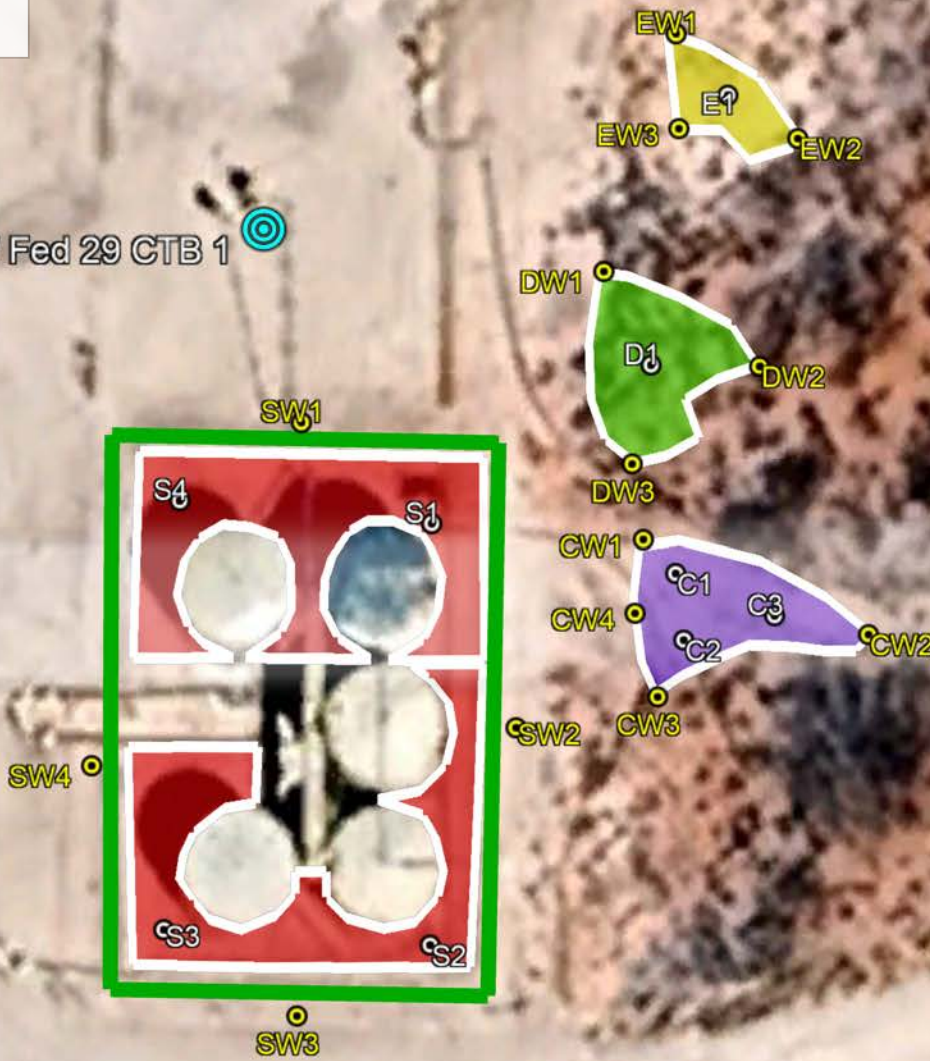
# West Shugart 29 Fed #1

Devon Energy  
 API #30-015-29948  
 Facility ID fAPP2130628309  
 Eddy County, NM  
 nAPP2313055690- Pasture Areas  
 nAB1808253927-Tank Battery Area  
 Old Site Map

**Legend**

-  Battery area - 1,600 sqft
-  Earthen Berm
-  Horizontal delineation samples
-  Pasture area 1 - 370 sqft
-  Pasture area 2 - 357 sqft
-  Pasture area 3 - 163 sqft
-  Vertical delineation samples

Shugart W Fed 29 CTB 1



32.715313, -103.894521

Google Earth



90 ft

NMOCDC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - West Shugart 29 Fed #1 - nAPP2313055690; nAB1808253927									
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	5/12/2023	1'	12.9	0.536	488	20800	7970	29271.44	113
		2'	10.1	0.201	396	16600	6850	23856.3	75.9
		3'	8.8	0.211	363	12500	5050	17922.01	54.9
		4'	3.79	ND	183	14300	5920	20406.79	23.2
	6/14/2023	5'	ND	ND	ND	ND	ND	0	220
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
		7'	ND	ND	ND	ND	ND	0	ND
S-2	5/12/2023	1'	13.3	0.432	502	22000	8130	30645.73	100
		2'	10.1	0.263	411	18100	7040	25561.36	72.5
		3'	10.8	0.25	425	18400	7410	26246.05	87.2
		4'	11.2	0.323	442	15200	6280	21933.52	83.1
	6/14/2023	5'	ND	ND	ND	ND	ND	0	192
		6'	ND	ND	ND	ND	ND	0	56.8
	5/26/2023	7'	ND	ND	ND	ND	ND	0	ND
		8'	ND	ND	ND	ND	ND	0	ND
S-3	5/12/2023	1'	14.1	0.437	529	20700	8430	29673.54	95.9
		2'	7.11	0.132	302	8690	3920	12919.24	51.3
		3'	6.21	0.121	243	12200	5000	17449.33	52.8
		4'	7.37	0.183	287	11200	4560	16054.55	59.7
	6/14/2023	5'	ND	ND	ND	ND	ND	0	68.3
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
		8'	ND	ND	ND	ND	ND	0	ND
S-4	5/12/2023	1'	13.9	0.444	527	23400	9310	33251.34	95.5
		2'	3.55	ND	173	4820	2070	7066.55	26.7
		3'	0.874	ND	22.8	4570	1930	6523.674	61.2
		4'	1.88	ND	64.8	2810	1300	4176.68	32.8
	6/14/2023	5'	ND	ND	ND	ND	ND	0	90.9
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
		7'	ND	ND	ND	ND	ND	0	ND
SW 1	5/12/2023	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
C-1	5/12/2023	1'	2.67	ND	138	9910	3900	13950.67	22.7
		2'	0.528	ND	51.7	4800	2860	7712.228	ND
		3'	5.24	ND	236	5690	ND	5931.24	31.8
	6/14/2023	4'	ND	ND	ND	ND	ND	0	202
		6'	ND	ND	ND	ND	ND	0	47.2
C-2	5/12/2023	1'	2.98	ND	184	11000	4440	15626.98	22.9
		2'	0.512	ND	52	4790	ND	4842.512	ND
		3'	7.06	ND	291	6330	ND	6628.06	28.7
	6/14/2023	4'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND



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	CI mg/kg
C-3	5/12/2023	1'	2.58	ND	118	9090	3570	12780.58	22.5
		2'	0.673	ND	111	4340	2700	7151.673	ND
		3'	7.23	ND	288	8230	2760	11285.23	33.7
	6/14/2023	4'	ND	ND	ND	ND	ND	0	2470
		6'	ND	ND	ND	ND	ND	0	ND
	CW 1	5/12/2023	6"	ND	ND	ND	ND	ND	0
CW 2	6"		ND	ND	ND	ND	ND	0	ND
CW 3	6"		ND	ND	ND	ND	ND	0	ND
CW 4	6"		ND	ND	ND	ND	ND	0	ND
D-1	5/12/2023	1'	7.3	ND	278	9610	3530	13425.3	22.7
		2'	1.1	ND	ND	5190	ND	5191.1	ND
		3'	5.58	ND	206	7830	ND	8041.58	46.7
		4'	4.37	ND	157	7050	ND	7211.37	36.7
	6/14/2023	5'	ND	ND	ND	ND	ND	0	1390
		6'	ND	ND	ND	ND	ND	0	ND
DW 1	5/12/2023	6"	ND	ND	20.1	ND	ND	20.1	ND
DW 2		6"	ND	ND	ND	ND	ND	0	ND
DW 3		6"	ND	ND	ND	ND	ND	0	ND
E-1	5/12/2023	1'	1.76	ND	208	9370	3770	13349.76	28.5
		2'	0.095	ND	84.6	4240	ND	4324.695	ND
		3'	1.38	ND	145	4150	ND	4296.38	22.5
		4'	3.67	ND	356	6560	ND	6919.67	45.5
	6/14/2023	5'	ND	ND	ND	ND	ND	0	1240
		6'	ND	ND	ND	ND	ND	0	ND
EW 1	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
EW 2		6"	ND	ND	ND	ND	ND	0	ND
EW 3		6"	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - West Shugart 29 Fed #1 - nAPP2313055690, nAB1808253927								
Date: 6/4/24 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	CI mg/kg
SW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
CW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	32
CW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
CW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	32
CW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	16
DW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -WEST SHUGART 29 FEDERAL #001 - nAB1808253927								
Sample Date: 2/21/2025			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
1-1.5'	1.5'	ND	ND	ND	ND	ND	0	275
2-1.5'	1.5'	ND	ND	ND	51.5	51.8	103.3	234
3-1.5'	1.5'	ND	ND	ND	1500	1050	2550	394
4-1.5'	1.5'	ND	ND	ND	1690	1310	3000	630
5-1.5'	1.5'	ND	ND	ND	2200	1550	3750	847
6-1.5'	1.5'	ND	ND	ND	63.9	111	174.9	233
7-1.5'	1.5'	ND	ND	ND	82.7	76.4	159.1	220
8-1.5'	1.5'	ND	ND	ND	1730	1270	3000	438
W1-1.5'	1.5'	ND	ND	ND	82.7	111	193.7	197
W2-1.5'	1.5'	ND	ND	ND	39	55.9	94.9	276
W3-1.5'	1.5'	ND	ND	ND	44.7	53	97.7	215
W4-1.5'	1.5'	ND	ND	ND	1880	1340	3220	266
W5-1.5'	1.5'	ND	ND	ND	134	163	297	257
W6-1.5'	1.5'	ND	ND	ND	68.4	80.3	148.7	206

# DATA TABLE

## West Shugart 29 Fed #1

### Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #001								
Date: 8-1-25		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
CSW1	5' COMP	ND	ND	ND	ND	ND	ND	ND
CSW2	5' COMP	ND	ND	ND	ND	ND	ND	ND
CSW3	5' COMP	ND	ND	ND	ND	ND	ND	100
CSW4	5' COMP	ND	ND	ND	ND	ND	ND	ND
CS1	5' COMP	ND	ND	ND	ND	ND	ND	20.8
CS2	5' COMP	ND	ND	ND	ND	ND	ND	163
CS3	5' COMP	ND	ND	ND	38.6	72	110.6	4540
CS4	5' COMP	ND	ND	ND	ND	54.1	54.1	156
CS5	5' COMP	ND	ND	ND	65.1	108	173.1	2830
CS6	5' COMP	ND	ND	ND	ND	ND	ND	1950
CS7	5' COMP	ND	ND	ND	ND	ND	ND	258
CS8	5' COMP	ND	ND	ND	ND	ND	ND	397
CS9	5' COMP	ND	ND	ND	127	94	221	2070
CS10	5' COMP	ND	ND	ND	ND	ND	ND	158



Pima Environmental Services, LLC  
 5614 N Lovington Hwy, Hobbs, NM 88240  
 575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #001								
Date: 8-1-25		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
CS11	5' COMP	ND	ND	ND	28.2	ND	28.2	87.7
CS12	5' COMP	ND	ND	ND	50.1	52	102.1	3460
CS13	5' COMP	ND	ND	ND	84.1	85.9	170	226
CS14	5' COMP	ND	ND	ND	127	167	294	327
CS15	5' COMP	ND	ND	ND	104	117	221	498
CS16	5' COMP	ND	ND	ND	36.3	ND	36.3	25.8
CS17	5' COMP	ND	ND	ND	40.9	ND	40.9	36.9
CS18	5' COMP	ND	ND	ND	116	117	233	953

ND/0-Analyte Not Detected

## BACKFILL SOIL SAMPLE RESULTS

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #1								
Date: 8-13-25		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
Backfill 1		ND	ND	ND	ND	ND	ND	ND
Backfill 2		ND	ND	ND	ND	ND	ND	ND

ND/0-Analyte Not Detected



Pima Environmental Services, LLC  
 5614 N Lovington Hwy, Hobbs, NM 88240  
 575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)





DEVON ENERGY PRODUCTION, LP.




# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Facility ID fAPP2130628309  
Eddy County, NM  
nAB180825392  
Confirmation Sample Map (A)

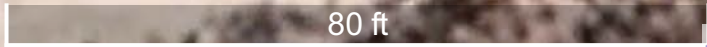
**Legend**

-  Battery area - 1,600 sqft
-  Composite base samples
-  Composite wall samples
-  Earthen Berm

Shugart W Fed 29 CTB 1 



Google Earth








# West Shugart 29 Federal #001

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Excavation Map

## Legend

-  5' Excavation - 3,527 sqft - 653 cu yds
-  Shugart W Fed 29 CTB 1
-  West Shugart 29 Federal #001



West Shugart 29 Federal #001

Shugart W Fed 29 CTB 1

32.715313, -103.894521

Google Earth





# West Shugart 29 Federal #001

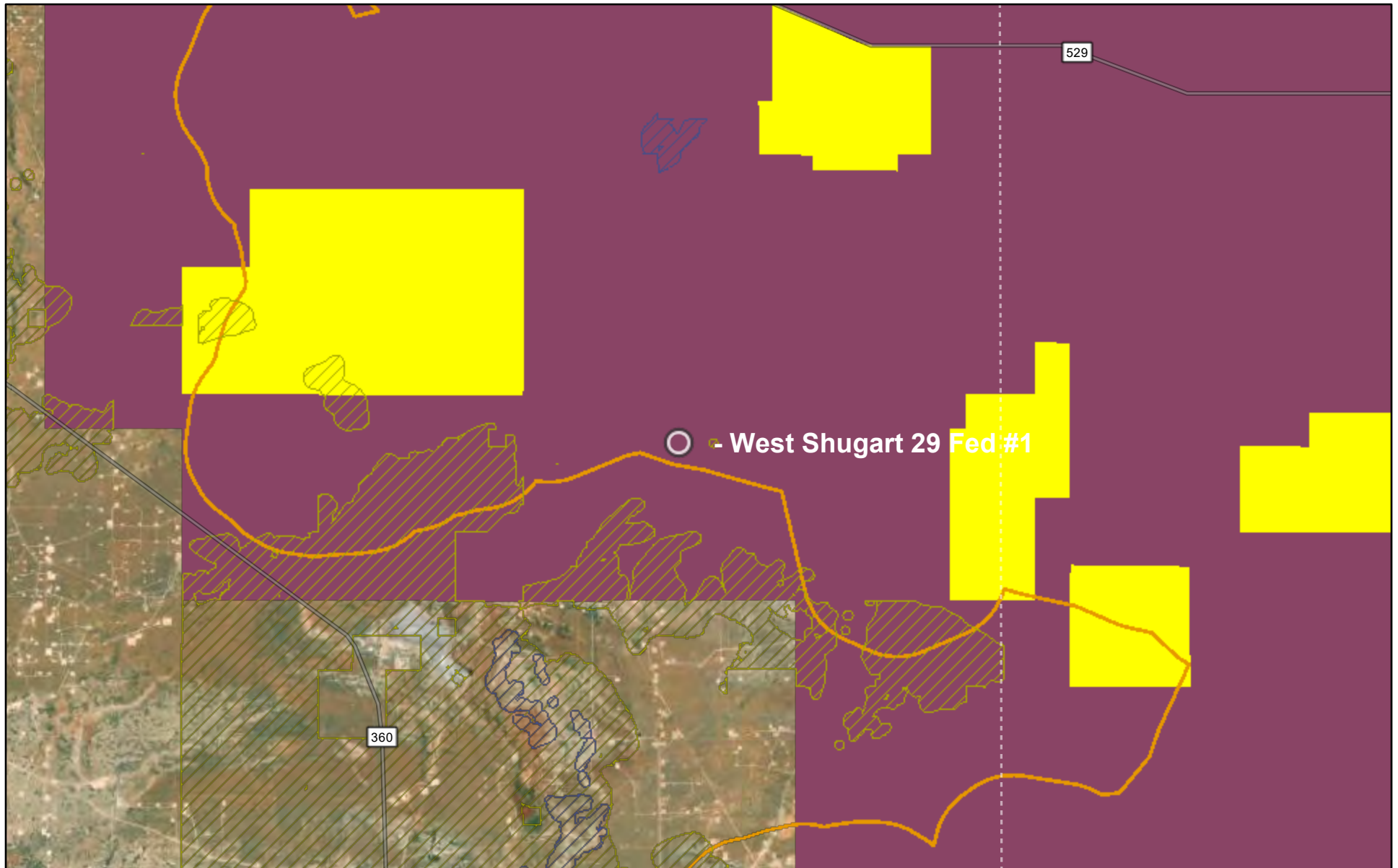
Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Confirmation Sample Map (B)

### Legend

- 5-Point Composite Sidewall Samples
- 5-Point Composite Bottom Samples
- Excavation Area- 3,527 sqft



# Special Status Plant/Wildlife Map



2/21/2025

Potential Habitat (Planning Area Only)

Scheer's beehive cactus

Tharp's blue-star

Dunes Sage Brush Lizard Habitat

Lesser Prairie Chicken Habitat

Habitat Evaluation Area

Isolated Population Area

World Imagery

Low Resolution 15m Imagery

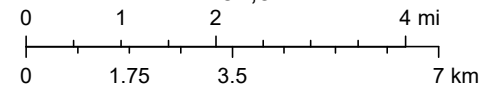
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:152,347



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/ NASA, USGS, EPA, NPS, USDA, USFWS, Earthstar Geographics, Bureau of



# APPENDIX A

Water Surveys

Water-Related Maps



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

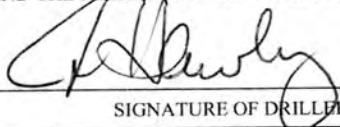
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) CP-2060	
	WELL OWNER NAME(S) Devon Energy Production				PHONE (OPTIONAL) 575-748-0167	
	WELL OWNER MAILING ADDRESS 6488 Seven Rivers Hwy.				CITY Artesia	STATE ZIP NM 88210
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 42	SECONDS 56.38	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE 103	53	43.08	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE UL-K S-29 T-18S R-31E						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC			
	DRILLING STARTED 5/14/25	DRILLING ENDED 5/14/25	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry Hole			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 5/23/24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				No Casing Left in Hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.				PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	white cemented caliche	Y ✓ N	
	5	10	5	tan sand and caliche mixed	Y ✓ N	
	10	20	10	red sand and clay mixed	Y ✓ N	
	20	50	30	hard red clay	Y ✓ N	
	50	55	5	grayish red clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Well bore was drilled on 5/14/25 to 55' bgs, well was gauged on 5/23/25, well bore was dry, casing was removed and the bore was plugged pursuant to approved plugging plan.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  SIGNATURE OF DRILLER / PRINT SIGNEE NAME				James Hawley	5/31/25 DATE

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION		WELL TAG ID NO.		PAGE 2 OF 2	





# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2060 Pod-1

Well owner: Devon Energy Production Phone No.: 575-748-0167

Mailing address: 6488 Seven Rivers Hwy.

City: Artesia State: NM Zip code: 88210

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: James Hawley/H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):  
Nathan Smelcer
- 4) Date well plugging began: 5/23/25 Date well plugging concluded: 5/23/25
- 5) GPS Well Location: Latitude: 32 deg, 42 min, 56.38 sec  
Longitude: 103 deg, 53 min, 43.08 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),  
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 3/20/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

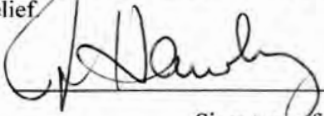
For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Baroid 3/8 Bentonite Chip Plug	16.5 (3 sacks)	14.7	pour	Hydrated with 5 Gallons of water per sack
	10'-55' drill cuttings	66.15	66.15	pour	

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805 =	gallons
cubic yards x	201.97 =	gallons

**III. SIGNATURE:**

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

  
Signature of Well Driller




5/31/25  
Date



# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Facility ID fAPP2130628309  
Eddy County, NM  
nAB1808253927  
OSE Pod Map

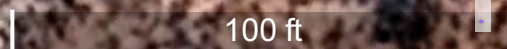
### Legend

-  32.715643, -103.894921
-  CP-02060- POD 1
-  0.02 Miles

West Shugart 29 Fed #1

CP-02060- POD 1

32.715643, -103.894921







USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 324241103561201

Minimum number of levels = 1

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

### USGS 324241103561201 18S.30E.26.4140

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'41", Longitude 103°56'12" NAD27

Land-surface elevation 3,432 feet above NAVD88

The depth of the well is 230 feet below land surface.

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

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

#### Output formats

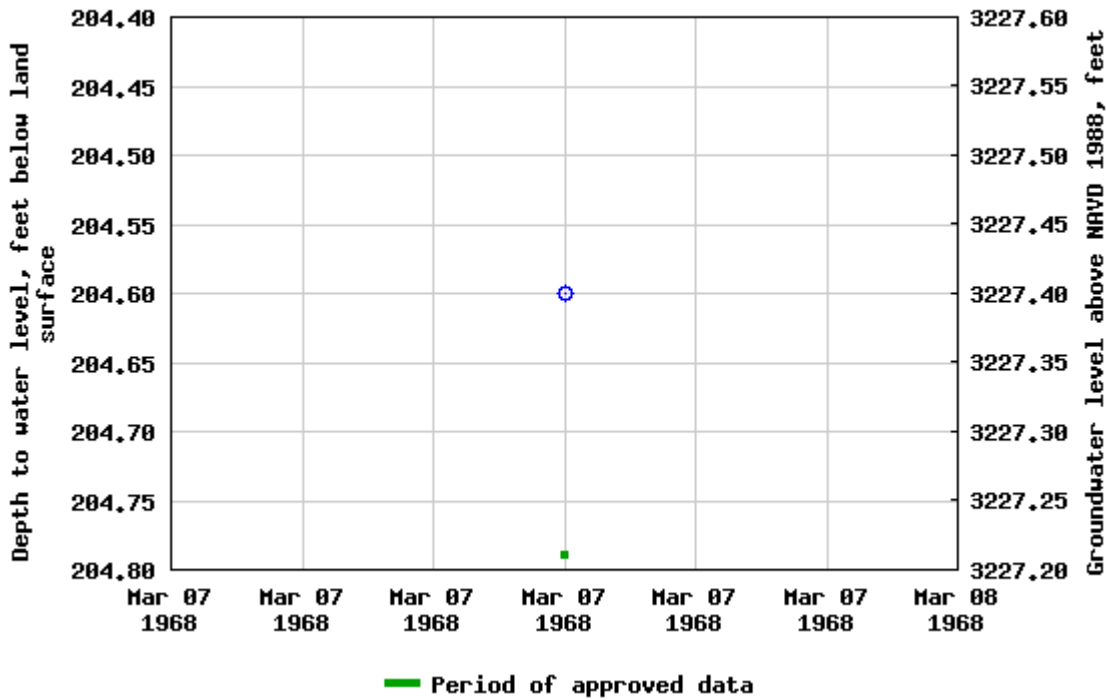
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

USGS 324241103561201 18S.30E.26.4140



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

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

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



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

Page Last Modified: 2024-05-30 09:48:59 EDT

0.56 0.48 nadww01



National Water Information System: Mapper





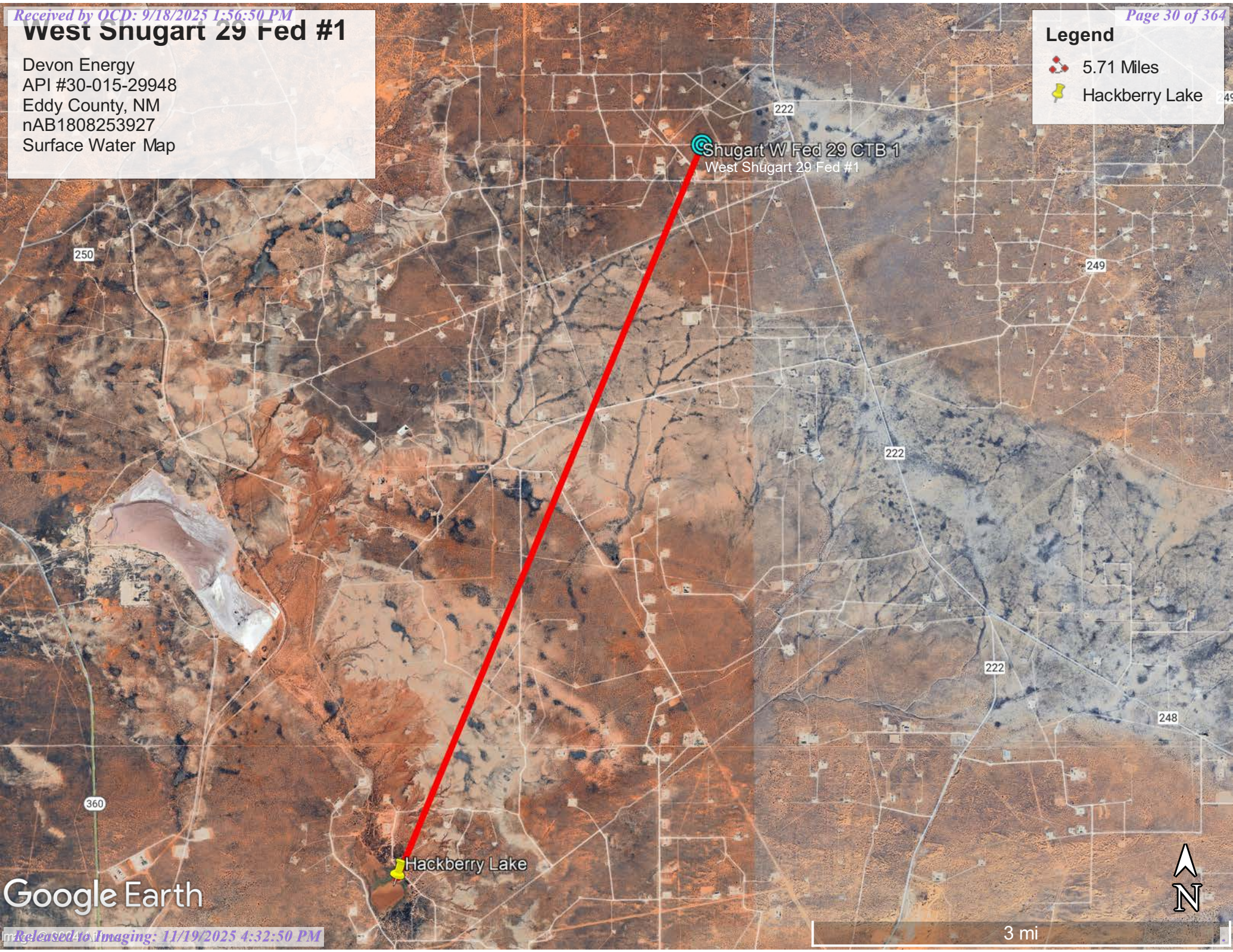


# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Surface Water Map

## Legend

-  5.71 Miles
-  Hackberry Lake



Shugart W Fed 29 CTB 1  
West Shugart 29 Fed #1

Hackberry Lake

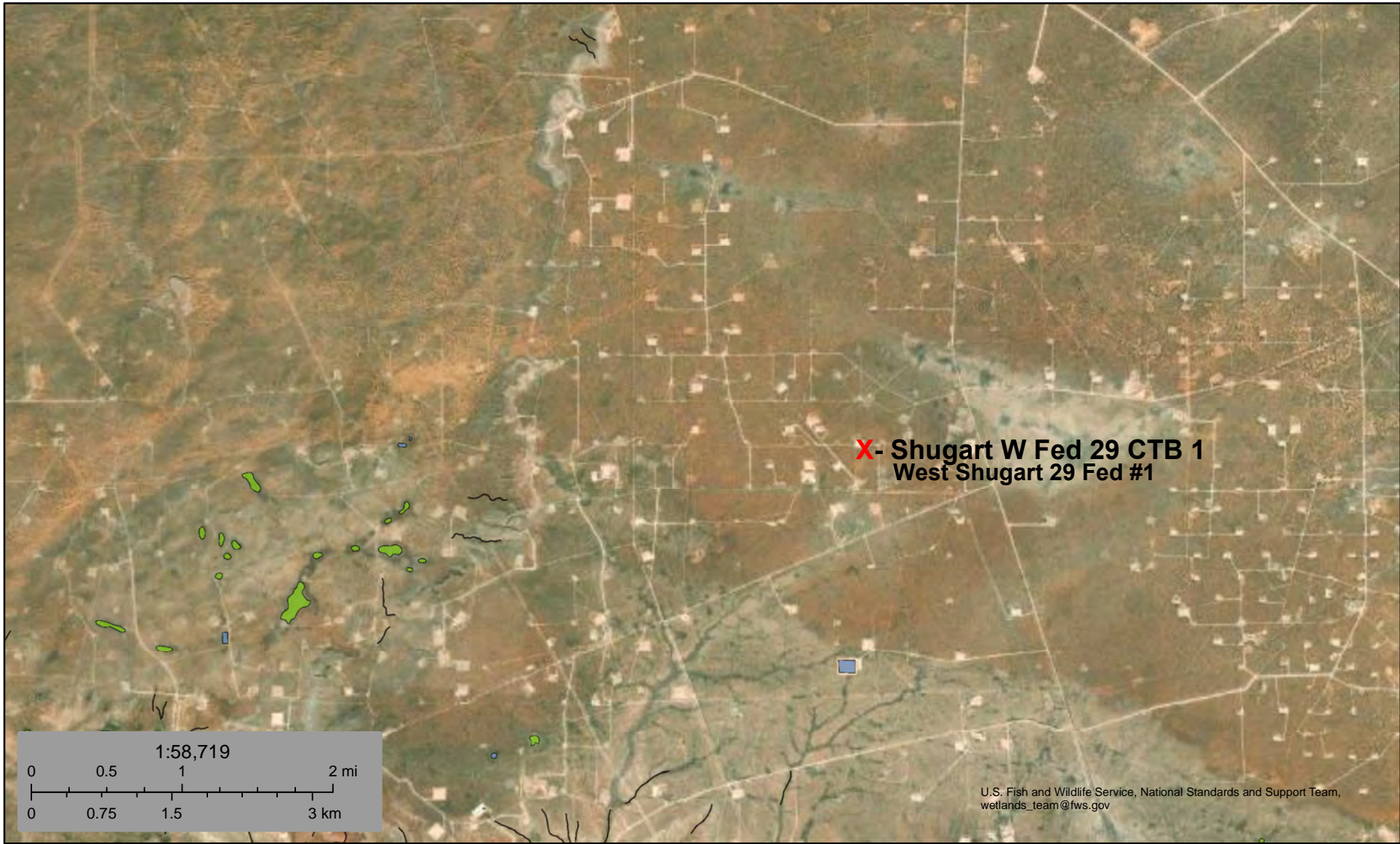
Google Earth

3 mi





# Wetlands Map



January 9, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



# National Flood Hazard Layer FIRMette



103°54'W 32°43'11"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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		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 9/23/2022 at 1:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

## APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.



Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### BA—Berino loamy fine sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w42

*Elevation:* 2,000 to 5,700 feet

*Mean annual precipitation:* 6 to 14 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 180 to 260 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 99 percent

*Minor components:* 1 percent

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

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 12 inches:* loamy fine sand

*H2 - 12 to 58 inches:* sandy clay loam

*H3 - 58 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

*Hydrologic Soil Group:* B  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

**Minor Components**

**Pajarito**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

**Data Source Information**

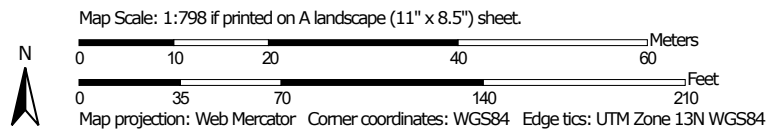
Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 17, Sep 12, 2021



### Soil Map—Eddy Area, New Mexico




Soil Map may not be valid at this scale.




Soil Map—Eddy Area, New Mexico


**MAP LEGEND**

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**


-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

**MAP INFORMATION**

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

**Warning:** Soil Map may not be valid at this scale.  
 Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico  
 Survey Area Data: Version 19, Sep 7, 2023

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

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

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



Soil Map—Eddy Area, New Mexico

---



## Map Unit Legend

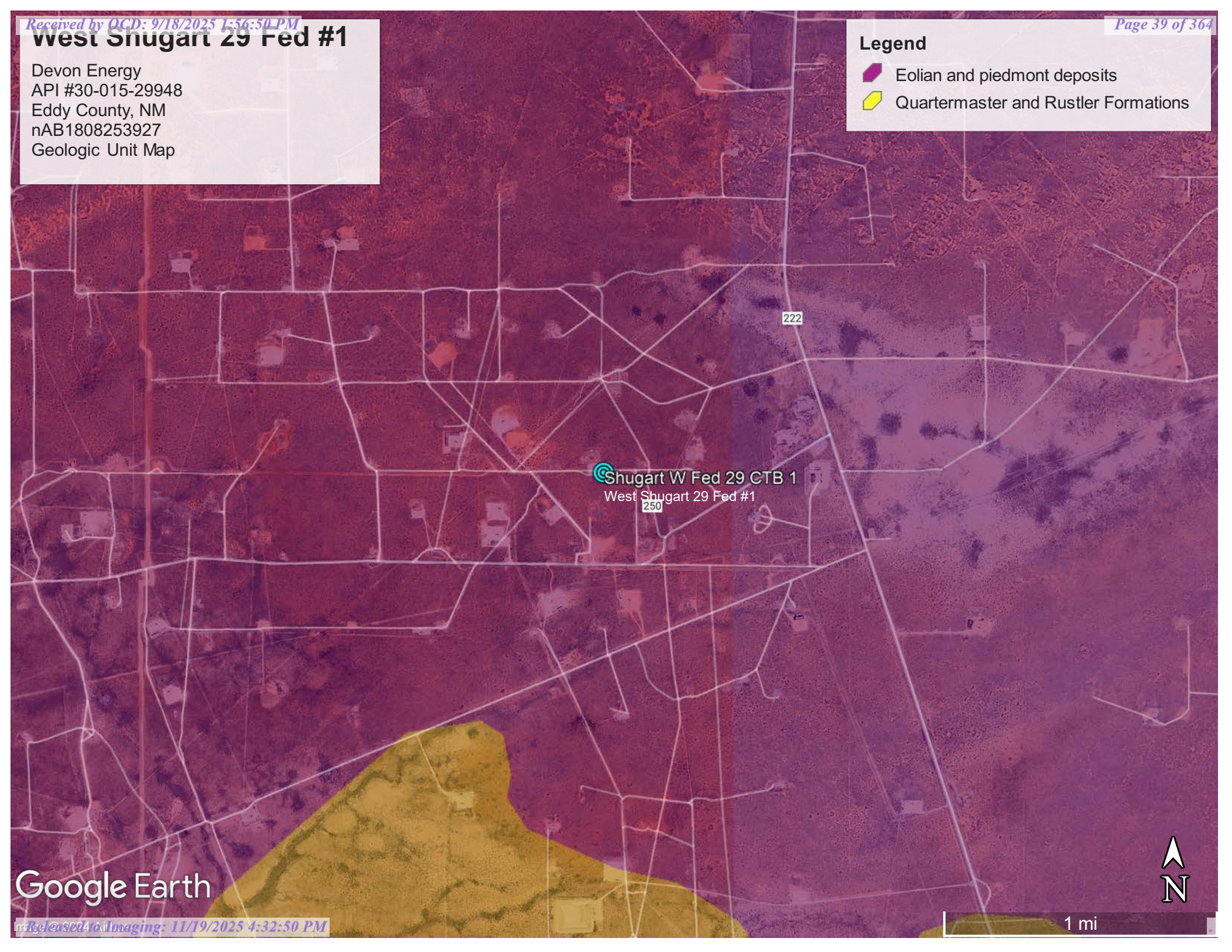
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	2.9	100.0%
<b>Totals for Area of Interest</b>		<b>2.9</b>	<b>100.0%</b>

# West Shugart 29 Fed #1

Devon Energy  
API #30-015-29948  
Eddy County, NM  
nAB1808253927  
Geologic Unit Map

## Legend

-  Eolian and piedmont deposits
-  Quartermaster and Rustler Formations



Shugart W Fed 29 CTB 1  
West Shugart 29 Fed #1

222

250

Google Earth



1 mi



# APPENDIX C

## 48-Hour Notification



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.

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 433044

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 433044
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1808253927
Incident Name	NAB1808253927 WEST SHUGART 29 FEDERAL #001 @ 30-015-29948
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-29948] WEST SHUGART 29 FEDERAL #001

<b>Location of Release Source</b>	
Site Name	WEST SHUGART 29 FEDERAL #001
Date Release Discovered	03/11/2018
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.715643, -103.894921



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 433044

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 433044
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	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.	2/18/2025

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 489982

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 489982
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1808253927
Incident Name	NAB1808253927 WEST SHUGART 29 FEDERAL #001 @ 30-015-29948
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-29948] WEST SHUGART 29 FEDERAL #001
Incident Facility	[fAPP2130628309] SHUGART W FED 29 CTB 1

<b>Location of Release Source</b>	
Site Name	WEST SHUGART 29 FEDERAL #001
Date Release Discovered	03/11/2018
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,527
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/01/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampler - Marlon Garcia (575) 659-4450
Please provide any information necessary for navigation to sampling site	32.7157707,-103.8948975



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**

CONDITIONS

Action 489982

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 489982
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	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.	7/30/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/30/2025

# APPENDIX D

## Photographic Documentation



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

West Shugart 29 Federal #001 | nAB1808253927

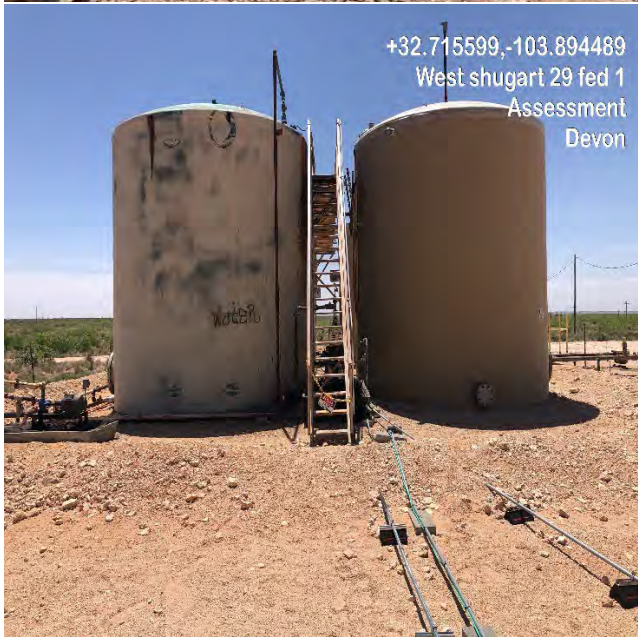
DEVON ENERGY PRODUCTION, LP.



April -> July 2023



+32.715322,-103.894628  
West shugart 29 fed 1  
Assessment  
Devon



+32.715599,-103.894489  
West shugart 29 fed 1  
Assessment  
Devon



+32.715509,-103.894658  
West shugart 29 fed 1  
Assessment  
Devon



+32.715340,-103.894498  
West shugart 29 fed 1  
Assessment  
Devon



+32.715595,-103.894491  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S





+32.715495,-103.894496  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S



+32.715495,-103.894496  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S



+32.715434,-103.894597  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S



+32.715434,-103.894597  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S

DEVON ENERGY CORP  
WEST SHUGART 29 FEDERAL BATTERY  
NE/4 SW/4, SEC. 29-T8S-R31E  
EDDY COUNTY, NEW MEXICO



+32.715543,-103.894619  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S



+32.715543,-103.894619  
Eddy County  
Devon  
Shugart 29 CTB 1  
Assessment  
Spill S





+32.715360,-103.894489  
Eddy County  
West Shugart 29 Federal Battery  
Assessment



+32.715398,-103.894761  
Eddy County  
West Shugart 29 Federal Battery  
Assessment



+32.715481,-103.894738  
Eddy County  
Devon  
West Shugart 29 Federal #001  
Assessment



+32.715481,-103.894738  
Eddy County  
Devon  
West Shugart 29 Federal #001  
Assessment



+32.715443,-103.894465  
Eddy County  
Devon  
West Shugart 29 Federal #001  
Assessment



+32.715443,-103.894465  
Eddy County  
Devon  
West Shugart 29 Federal #001  
Assessment



December 2024

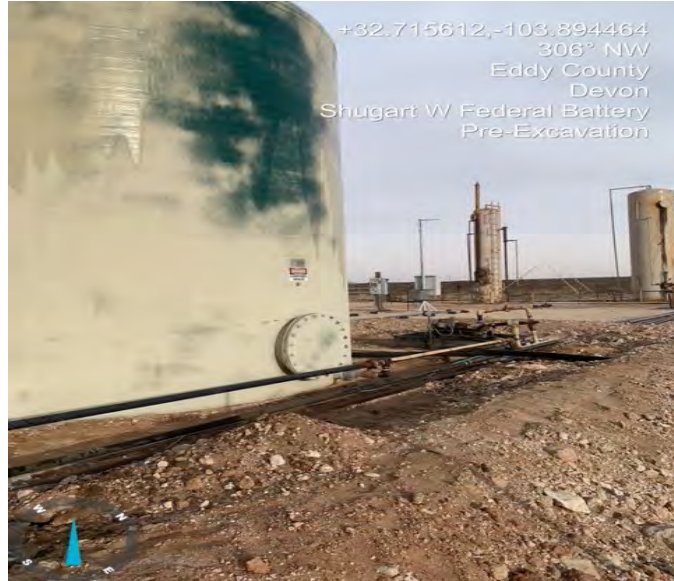




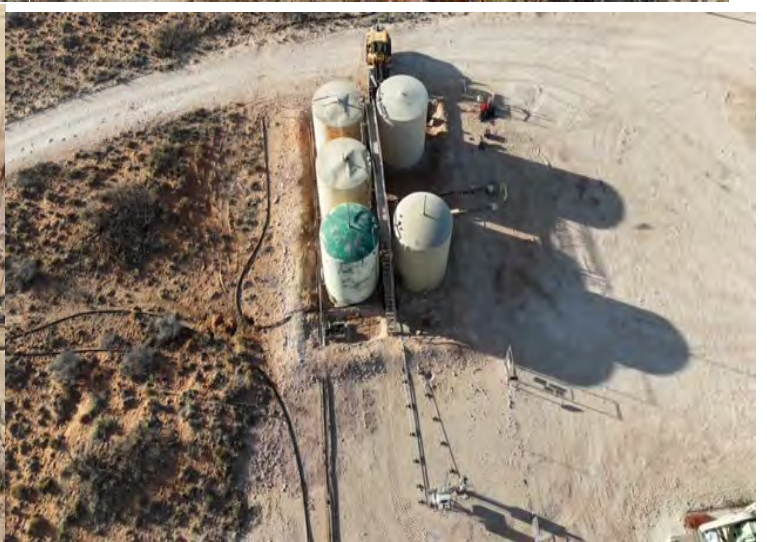
February 2025











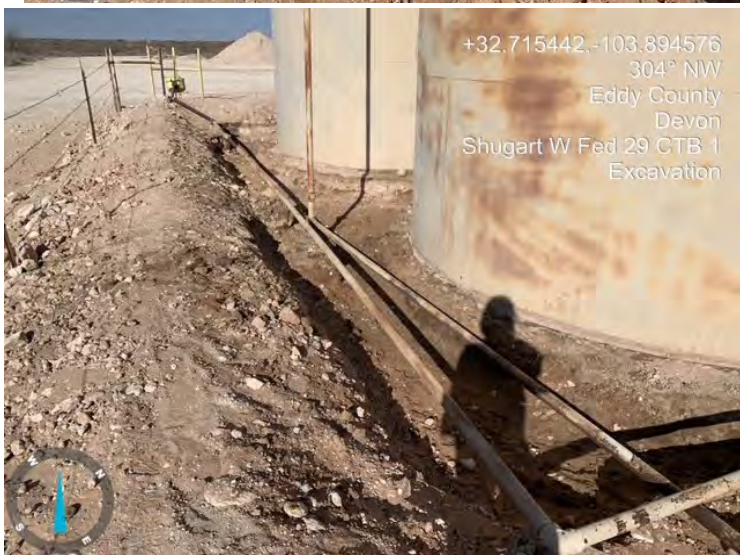


















### PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

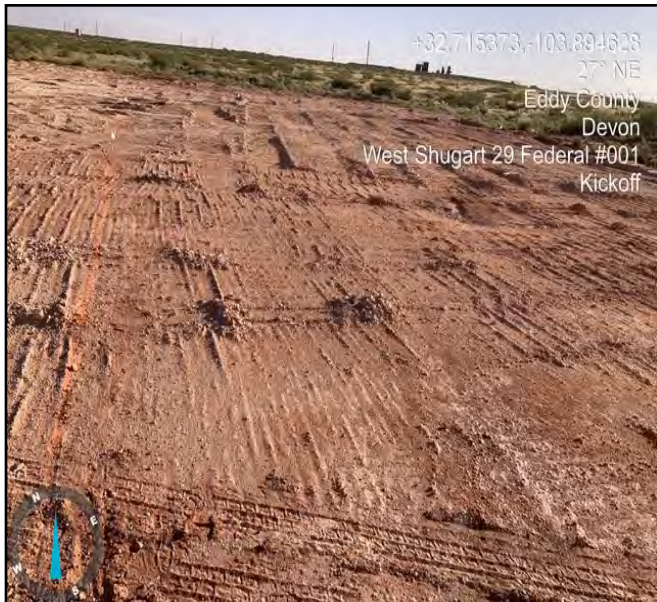
Kick off- Excavation : July 2025



Photograph taken pre- excavation process, facing north.



Photograph taken pre- excavation process, facing east.



Photograph taken pre- excavation process, facing northeast.



Photograph taken pre- excavation process, facing northwest.





Aerial kickoff photos.



Aerial kickoff photos.



Aerial kickoff photos.



### PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

**Excavation :**



Photograph taken during the excavation process facing southeast.



Photograph taken during the excavation process facing southeast.



Photograph taken during the excavation process facing north.



Photograph taken during the excavation process facing northwest.



### PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

#### Post Excavation :



Photograph taken post excavation , facing south.



Photograph taken post excavation , facing west.



Photograph taken post excavation , facing north.



Photograph taken post excavation , facing east.



**PHOTOGRAPHIC DOCUMENTATION**

**NAME: West Shugart 29 Federal #001**

**Aerial Photos :**



Aerial post photos.



Aerial post photos.

# APPENDIX E

## Laboratory Reports



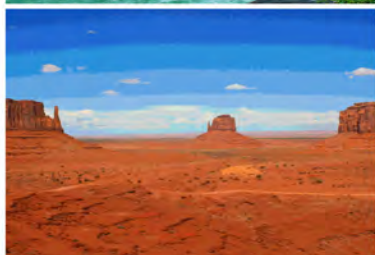
Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305132

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/26/23

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: 5/26/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1  
Workorder: E305132  
Date Received: 5/23/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2023 8:15:00AM, under the Project Name: Shugart W Fed 29 CTB 1.

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 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  
PO Box 247  
Plains TX, 79355-0247

Project Name: Shugart W Fed 29 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
05/26/23 08:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E305132-01A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S1 - 2'	E305132-02A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S1 - 3'	E305132-03A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S1 - 4'	E305132-04A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S2 - 1'	E305132-05A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S2 - 2'	E305132-06A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S2 - 3'	E305132-07A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S2 - 4'	E305132-08A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S3 - 1'	E305132-09A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S3 - 2'	E305132-10A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S3 - 3'	E305132-11A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S3 - 4'	E305132-12A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S4 - 1'	E305132-13A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S4 - 2'	E305132-14A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S4 - 3'	E305132-15A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
S4 - 4'	E305132-16A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
SW1	E305132-17A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
SW2	E305132-18A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
SW3	E305132-19A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
SW4	E305132-20A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
---	--	---

S1 - 1'

E305132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.536	0.125	5	05/23/23	05/24/23	
Ethylbenzene	3.73	0.125	5	05/23/23	05/24/23	
Toluene	1.77	0.125	5	05/23/23	05/24/23	
o-Xylene	4.06	0.125	5	05/23/23	05/24/23	
p,m-Xylene	8.85	0.250	5	05/23/23	05/24/23	
Total Xylenes	12.9	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	488	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	20800	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	7970	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		251 %	50-200	05/23/23	05/24/23	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	113	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
---	--	---

S1 - 2'

E305132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.201	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.87	0.125	5	05/23/23	05/24/23	
Toluene	1.07	0.125	5	05/23/23	05/24/23	
o-Xylene	3.12	0.125	5	05/23/23	05/24/23	
p,m-Xylene	7.02	0.250	5	05/23/23	05/24/23	
Total Xylenes	10.1	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	396	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	16600	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	6850	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		215 %	50-200	05/23/23	05/24/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	75.9	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
---	--	---

S1 - 3'

E305132-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.211	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.44	0.125	5	05/23/23	05/24/23	
Toluene	0.914	0.125	5	05/23/23	05/24/23	
o-Xylene	2.66	0.125	5	05/23/23	05/24/23	
p,m-Xylene	6.14	0.250	5	05/23/23	05/24/23	
Total Xylenes	8.80	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	363	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	12500	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	5050	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		191 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	54.9	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S1 - 4'

E305132-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.964</b>	0.125	5	05/23/23	05/24/23	
Toluene	<b>0.278</b>	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.07</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>2.73</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>3.79</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	<b>183</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	<b>14300</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>5920</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		365 %	50-200	05/23/23	05/24/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	<b>23.2</b>	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S2 - 1'

E305132-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.432	0.125	5	05/23/23	05/24/23	
Ethylbenzene	3.79	0.125	5	05/23/23	05/24/23	
Toluene	1.64	0.125	5	05/23/23	05/24/23	
o-Xylene	4.23	0.125	5	05/23/23	05/24/23	
p,m-Xylene	9.05	0.250	5	05/23/23	05/24/23	
Total Xylenes	13.3	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	502	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	22000	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	8130	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		252 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	100	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S2 - 2'

E305132-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.263	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.86	0.125	5	05/23/23	05/24/23	
Toluene	1.13	0.125	5	05/23/23	05/24/23	
o-Xylene	3.11	0.125	5	05/23/23	05/24/23	
p,m-Xylene	7.01	0.250	5	05/23/23	05/24/23	
Total Xylenes	10.1	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	411	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	18100	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	7040	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		236 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	72.5	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S2 - 3'

E305132-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.250	0.125	5	05/23/23	05/24/23	
Ethylbenzene	3.01	0.125	5	05/23/23	05/24/23	
Toluene	1.15	0.125	5	05/23/23	05/24/23	
o-Xylene	3.33	0.125	5	05/23/23	05/24/23	
p,m-Xylene	7.47	0.250	5	05/23/23	05/24/23	
Total Xylenes	10.8	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	425	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	18400	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	7410	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		241 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	87.2	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S2 - 4'

E305132-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.323	0.125	5	05/23/23	05/24/23	
Ethylbenzene	3.20	0.125	5	05/23/23	05/24/23	
Toluene	1.25	0.125	5	05/23/23	05/24/23	
o-Xylene	3.48	0.125	5	05/23/23	05/24/23	
p,m-Xylene	7.69	0.250	5	05/23/23	05/24/23	
Total Xylenes	11.2	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	442	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	15200	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	6280	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		213 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	83.1	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S3 - 1'

E305132-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.437	0.125	5	05/23/23	05/24/23	
Ethylbenzene	4.09	0.125	5	05/23/23	05/24/23	
Toluene	1.72	0.125	5	05/23/23	05/24/23	
o-Xylene	4.53	0.125	5	05/23/23	05/24/23	
p,m-Xylene	9.60	0.250	5	05/23/23	05/24/23	
Total Xylenes	14.1	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	529	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	20700	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	8430	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		254 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	95.9	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S3 - 2'

E305132-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.132	0.125	5	05/23/23	05/24/23	
Ethylbenzene	1.93	0.125	5	05/23/23	05/24/23	
Toluene	0.672	0.125	5	05/23/23	05/24/23	
o-Xylene	2.10	0.125	5	05/23/23	05/24/23	
p,m-Xylene	5.00	0.250	5	05/23/23	05/24/23	
Total Xylenes	7.11	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	302	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	8690	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	3920	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		165 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	51.3	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S3 - 3'

E305132-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.121	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	1.72	0.0500	2	05/23/23	05/25/23	
Toluene	0.639	0.0500	2	05/23/23	05/25/23	
o-Xylene	1.93	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	4.29	0.100	2	05/23/23	05/25/23	
Total Xylenes	6.21	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	243	40.0	2	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		116 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	12200	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	5000	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		184 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	52.8	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S3 - 4'

E305132-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.183	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	2.04	0.0500	2	05/23/23	05/25/23	
Toluene	0.822	0.0500	2	05/23/23	05/25/23	
o-Xylene	2.32	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	5.05	0.100	2	05/23/23	05/25/23	
Total Xylenes	7.37	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	287	40.0	2	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		119 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	11200	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	4560	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		187 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	59.7	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S4 - 1'

E305132-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.444	0.125	5	05/23/23	05/25/23	
Ethylbenzene	4.03	0.125	5	05/23/23	05/25/23	
Toluene	1.69	0.125	5	05/23/23	05/25/23	
o-Xylene	4.51	0.125	5	05/23/23	05/25/23	
p,m-Xylene	9.44	0.250	5	05/23/23	05/25/23	
Total Xylenes	13.9	0.125	5	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	527	100	5	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	23400	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	9310	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		274 %	50-200	05/23/23	05/25/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	95.5	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S4 - 2'

E305132-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.125	5	05/23/23	05/25/23	
Ethylbenzene	<b>0.865</b>	0.125	5	05/23/23	05/25/23	
Toluene	<b>0.239</b>	0.125	5	05/23/23	05/25/23	
o-Xylene	<b>0.998</b>	0.125	5	05/23/23	05/25/23	
p,m-Xylene	<b>2.55</b>	0.250	5	05/23/23	05/25/23	
Total Xylenes	<b>3.55</b>	0.125	5	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	<b>173</b>	100	5	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	<b>4820</b>	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>2070</b>	1000	20	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		139 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	<b>26.7</b>	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S4 - 3'

E305132-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	<b>0.236</b>	0.0250	1	05/23/23	05/25/23	
Toluene	<b>0.0590</b>	0.0250	1	05/23/23	05/25/23	
o-Xylene	<b>0.343</b>	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	<b>0.531</b>	0.0500	1	05/23/23	05/25/23	
Total Xylenes	<b>0.874</b>	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	<b>22.8</b>	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	<b>4570</b>	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>1930</b>	1000	20	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		139 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	<b>61.2</b>	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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S4 - 4'

E305132-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	<b>0.509</b>	0.0250	1	05/23/23	05/25/23	
Toluene	<b>0.130</b>	0.0250	1	05/23/23	05/25/23	
o-Xylene	<b>0.639</b>	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	<b>1.24</b>	0.0500	1	05/23/23	05/25/23	
Total Xylenes	<b>1.88</b>	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	<b>64.8</b>	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	<b>2810</b>	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>1300</b>	1000	20	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		130 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	<b>32.8</b>	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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**SW1**

**E305132-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/25/23	
Toluene	ND	0.0250	1	05/23/23	05/25/23	
o-Xylene	ND	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.5 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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**SW2**

**E305132-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/25/23	
Toluene	ND	0.0250	1	05/23/23	05/25/23	
o-Xylene	ND	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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**SW3**

**E305132-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/25/23	
Toluene	ND	0.0250	1	05/23/23	05/25/23	
o-Xylene	ND	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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**SW4**

**E305132-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/25/23	
Toluene	ND	0.0250	1	05/23/23	05/25/23	
o-Xylene	ND	0.0250	1	05/23/23	05/25/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/25/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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#### 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 (2321031-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

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	8.36		8.00		105	70-130			

**LCS (2321031-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	4.03	0.0250	5.00		80.6	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.6	70-130			
Toluene	4.33	0.0250	5.00		86.6	70-130			
o-Xylene	4.44	0.0250	5.00		88.8	70-130			
p,m-Xylene	8.67	0.0500	10.0		86.7	70-130			
Total Xylenes	13.1	0.0250	15.0		87.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

**Matrix Spike (2321031-MS1)**

Source: E305132-02

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	21.1	0.125	25.0	0.201	83.6	54-133			
Ethylbenzene	25.6	0.125	25.0	2.87	91.1	61-133			
Toluene	23.4	0.125	25.0	1.07	89.3	61-130			
o-Xylene	26.4	0.125	25.0	3.12	93.2	63-131			
p,m-Xylene	51.0	0.250	50.0	7.02	87.9	63-131			
Total Xylenes	77.4	0.125	75.0	10.1	89.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	46.9		40.0		117	70-130			

**Matrix Spike Dup (2321031-MSD1)**

Source: E305132-02

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	21.8	0.125	25.0	0.201	86.5	54-133	3.40	20	
Ethylbenzene	26.3	0.125	25.0	2.87	93.9	61-133	2.68	20	
Toluene	24.2	0.125	25.0	1.07	92.4	61-130	3.23	20	
o-Xylene	27.1	0.125	25.0	3.12	95.9	63-131	2.60	20	
p,m-Xylene	52.3	0.250	50.0	7.02	90.6	63-131	2.61	20	
Total Xylenes	79.4	0.125	75.0	10.1	92.4	63-131	2.60	20	
Surrogate: 4-Bromochlorobenzene-PID	46.8		40.0		117	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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#### 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 (2321031-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

**LCS (2321031-BS2)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

**Matrix Spike (2321031-MS2)**

Source: E305132-02

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	661	100	250	396	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	43.6		40.0		109	70-130			

**Matrix Spike Dup (2321031-MSD2)**

Source: E305132-02

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	640	100	250	396	97.7	70-130	3.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	43.6		40.0		109	70-130			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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#### 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 (2321043-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	62.1		50.0		124	50-200			

**LCS (2321043-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132			
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	50-200			

**Matrix Spike (2321043-MS1)**

Source: E305132-20

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: <i>n</i> -Nonane	52.1		50.0		104	50-200			

**Matrix Spike Dup (2321043-MSD1)**

Source: E305132-20

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.28	20	
Surrogate: <i>n</i> -Nonane	55.1		50.0		110	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 8:37:46AM
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#### Anions by EPA 300.0/9056A

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 (2321039-BLK1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Chloride ND 20.0

**LCS (2321039-BS1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Chloride 261 20.0 250 105 90-110

**Matrix Spike (2321039-MS1)**

Source: E305132-01

Prepared: 05/23/23 Analyzed: 05/25/23

Chloride 366 20.0 250 113 101 80-120

**Matrix Spike Dup (2321039-MSD1)**

Source: E305132-01

Prepared: 05/23/23 Analyzed: 05/25/23

Chloride 368 20.0 250 113 102 80-120 0.531 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:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 08:37

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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





Client: Pima Environmental Services		Attention: <b>Bill To</b> <b>DeVon</b>		Lab Use Only		TAT			EPA Program				
Project: <b>Shogart W Fed. 29 CTB1</b>		Address:		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum		City, State, Zip		E 305132		01058-0007							
Address: 5614 N. Lovington Hwy.		Phone:		Analysis and Method									
City, State, Zip Hobbs, NM, 88240		Email:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX		
Phone: 580-748-1613		Pima Project # 205-2		Remarks									
Email: tom@pimaoil.com		Report due by:		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
8:00	5/12/23	S	1	S1-1'	1							X		
8:05				S1-2'	2									
8:10				S1-3'	3									
8:15				S1-4'	4									
8:20				S2-1'	5									
8:25				S2-2'	6									
8:30				S2-3'	7									
8:35				S2-4'	8									
8:40				S3-1'	9									
8:45				S3-2'	10									

Additional Instructions: **B# 21165851**

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: A.F**

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) <b>Kerime Adams</b>	Date 5/22/23	Time 200	Received by: (Signature) <b>[Signature]</b>	Date 5-22-23	Time 1400	Lab Use Only
Relinquished by: (Signature) <b>[Signature]</b>	Date 5-22-23	Time 1730	Received by: (Signature) <b>Andrew Musso</b>	Date 5-22-23	Time 1600	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <b>Andrew Musso</b>	Date 5-22-23	Time 2400	Received by: (Signature) <b>Caitie Mann</b>	Date 5/23/23	Time 8:15	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <b>4</b>

Note: Samples are discarded 90 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.





Client: Pima Environmental Services		Bill To		Lab Use Only				TAT			EPA Program												
Project: <u>Shugart W Fed. 29 CTBI</u>		Attention: <u>Devon</u>		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA										
Project Manager: Tom Bynum		Address:		E 305 132		01058-0007					X												
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method																			
City, State, Zip: Hobbs, NM, 88240		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX											
Phone: 580-748-1613		Email:		State																			
Email: tom@pimaoil.com		Pima Project # 205-2		<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										NM	CO	UT	AZ	TX	X				
NM	CO	UT	AZ	TX																			
X																							
Report due by:		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	Remarks
8:50	5/12/23	S	1	S3-3'	11							X		
8:55				S3-4'	12									
9:00				S4-1'	13									
9:05				S4-2'	14									
9:10				S4-3'	15									
9:15				S4-4'	16									
9:20				SW1	17									
9:25				SW2	18									
9:30				SW3	19									
9:35				SW4	20									

Additional Instructions: B# 21165881

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: AF

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>5/22/23</u>	Time <u>200</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) / N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>1800</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Cathy Mars</u>	Date <u>5/23/23</u>	Time <u>8:15</u>	AVG Temp °C <u>4</u>

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at their expense. The report for the analysis of the above samples is applicable only to the 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: 5/24/2023 3:29:32PM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/23 08:15	Work Order ID:	E305132
Phone:	(575) 631-6977	Date Logged In:	05/22/23 16:23	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/26/23 17:00 (3 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

Carrier: Courier

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

#### Comments/Resolution

Project Shugart W Fed 29 CTB 1 has been separated into 2 reports due to sample volume. Workorders are as follows: E305132 & E305133.

#### 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.

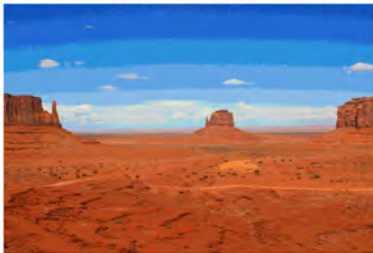
Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/26/23

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: 5/26/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1  
Workorder: E305133  
Date Received: 5/23/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2023 8:15:00AM, under the Project Name: Shugart W Fed 29 CTB 1.

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 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)

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[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 PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 05/26/23 14:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1 - 1'	E305133-01A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 2'	E305133-02A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 3'	E305133-03A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 1'	E305133-04A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 2'	E305133-05A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 3'	E305133-06A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 1'	E305133-07A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 2'	E305133-08A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 3'	E305133-09A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW1	E305133-10A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW2	E305133-11A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW3	E305133-12A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW4	E305133-13A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 1'	E305133-14A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 2'	E305133-15A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 3'	E305133-16A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 4'	E305133-17A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW1	E305133-18A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW2	E305133-19A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW3	E305133-20A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 1'	E305133-21A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 2'	E305133-22A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 3'	E305133-23A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 4'	E305133-24A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW1	E305133-25A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW2	E305133-26A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW3	E305133-27A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C1 - 1'**

**E305133-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.774</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.823</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>1.85</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>2.67</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>138</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9910</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3900</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.7</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C1 - 2'**

**E305133-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.181</b>	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.191</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>0.337</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>0.528</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>51.7</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4800</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>2860</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		98.2 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C1 - 3'**

**E305133-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	1.33	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	1.38	0.125	5	05/23/23	05/24/23	
p,m-Xylene	3.86	0.250	5	05/23/23	05/24/23	
Total Xylenes	5.24	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	236	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	5690	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		136 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	31.8	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 1'**

**E305133-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.907</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.983</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>2.00</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>2.98</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>184</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>11000</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>4440</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		134 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.9</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 2'**

**E305133-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.171</b>	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.182</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>0.330</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>0.512</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>52.0</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4790</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 3'**

**E305133-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>2.27</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.88</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>5.18</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>7.06</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>291</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>6330</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		146 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>28.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 1'**

**E305133-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.814</b>	0.0500	2	05/23/23	05/24/23	
Toluene	<b>0.266</b>	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.718</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>1.87</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>2.58</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>118</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9090</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3570</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.5</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 2'**

**E305133-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.397</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.244</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>0.429</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>0.673</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>111</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4340</b>	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>2700</b>	1000	20	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 3'**

**E305133-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>2.42</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.89</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>5.34</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>7.23</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>288</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>8230</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>2760</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		152 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>33.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW1**

**E305133-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW2**

**E305133-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW3**

**E305133-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW4**

**E305133-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 1'**

**E305133-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>2.15</b>	0.125	5	05/23/23	05/24/23	
Toluene	<b>0.709</b>	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.95</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>5.35</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>7.30</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>278</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9610</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3530</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		120 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 2'**

**E305133-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.318</b>	0.125	5	05/23/23	05/24/23	
Toluene	<b>0.222</b>	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.692</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>0.404</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>1.10</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>5190</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 3'**

**E305133-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	1.86	0.0500	2	05/23/23	05/24/23	
Toluene	0.0502	0.0500	2	05/23/23	05/24/23	
o-Xylene	1.50	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	4.08	0.100	2	05/23/23	05/24/23	
Total Xylenes	5.58	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7830	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		145 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 4'**

**E305133-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	1.32	0.0250	1	05/23/23	05/24/23	
Toluene	0.0274	0.0250	1	05/23/23	05/24/23	
o-Xylene	1.29	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	3.08	0.0500	1	05/23/23	05/24/23	
Total Xylenes	4.37	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	157	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7050	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		143 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	36.7	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW1**  
**E305133-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	20.1	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW2**

**E305133-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW3**

**E305133-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 1'**

**E305133-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.301</b>	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.795</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>0.961</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>1.76</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>208</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>9370</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>3770</b>	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	<b>28.5</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 2'**

**E305133-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.0950</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	ND	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>0.0950</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>84.6</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>4240</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 3'**

**E305133-23**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.254</b>	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.619</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>0.758</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>1.38</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>145</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>4150</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	<b>22.5</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 4'**

**E305133-24**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.718</b>	0.0500	2	05/23/23	05/25/23	
Toluene	<b>0.0920</b>	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>1.61</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>2.06</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>3.67</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>356</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>6560</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		145 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	<b>45.5</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW1**  
**E305133-25**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW2**

**E305133-26**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		92.9 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW3**

**E305133-27**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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#### Volatile Organic Compounds by EPA 8260B

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 (2321021-BLK1)

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

#### LCS (2321021-BS1)

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.72	0.0250	2.50		109	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.74	0.0250	2.50		110	70-130			
o-Xylene	2.94	0.0250	2.50		117	70-130			
p,m-Xylene	5.77	0.0500	5.00		115	70-130			
Total Xylenes	8.71	0.0250	7.50		116	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

#### Matrix Spike (2321021-MS1)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.22	0.0250	2.50	ND	89.0	48-131			
Ethylbenzene	2.19	0.0250	2.50	ND	87.6	45-135			
Toluene	2.22	0.0250	2.50	ND	88.8	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	94.0	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.7	43-135			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

#### Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.50	0.0250	2.50	ND	99.8	48-131	11.5	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.0	45-135	12.3	27	
Toluene	2.51	0.0250	2.50	ND	100	48-130	12.4	24	
o-Xylene	2.69	0.0250	2.50	ND	108	43-135	11.5	27	
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135	12.7	27	
Total Xylenes	8.03	0.0250	7.50	ND	107	43-135	12.3	27	
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321033-BLK1)

Prepared: 05/23/23 Analyzed: 05/24/23

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	7.67		8.00		95.9	70-130			

#### LCS (2321033-BS1)

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.7	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

#### Matrix Spike (2321033-MS1)

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	23.2	0.125	25.0	ND	92.7	54-133			
Ethylbenzene	25.4	0.125	25.0	0.774	98.4	61-133			
Toluene	24.9	0.125	25.0	ND	99.8	61-130			
o-Xylene	26.2	0.125	25.0	0.823	102	63-131			
p,m-Xylene	51.6	0.250	50.0	1.85	99.4	63-131			
Total Xylenes	77.8	0.125	75.0	2.67	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	41.1		40.0		103	70-130			

#### Matrix Spike Dup (2321033-MSD1)

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	22.4	0.125	25.0	ND	89.7	54-133	3.33	20	
Ethylbenzene	24.7	0.125	25.0	0.774	95.6	61-133	2.84	20	
Toluene	24.1	0.125	25.0	ND	96.4	61-130	3.49	20	
o-Xylene	25.4	0.125	25.0	0.823	98.4	63-131	3.06	20	
p,m-Xylene	50.0	0.250	50.0	1.85	96.3	63-131	3.07	20	
Total Xylenes	75.4	0.125	75.0	2.67	97.0	63-131	3.06	20	
Surrogate: 4-Bromochlorobenzene-PID	39.5		40.0		98.7	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321021-BLK1)**

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

**LCS (2321021-BS2)**

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	59.6	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

**Matrix Spike (2321021-MS2)**

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

**Matrix Spike Dup (2321021-MSD2)**

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321033-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

**LCS (2321033-BS2)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

**Matrix Spike (2321033-MS2)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	404	100	250	138	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.4		40.0		95.9	70-130			

**Matrix Spike Dup (2321033-MSD2)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	400	100	250	138	105	70-130	0.990	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.5		40.0		96.1	70-130			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321041-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.1	50-200			

**LCS (2321041-BS1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

**Matrix Spike (2321041-MS1)**

Source: E305119-10

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			

**Matrix Spike Dup (2321041-MSD1)**

Source: E305119-10

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132	0.0311	20	
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321042-BLK1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			

**LCS (2321042-BS1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

**Matrix Spike (2321042-MS1)**

Source: E305133-13

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

**Matrix Spike Dup (2321042-MSD1)**

Source: E305133-13

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.838	20	
Surrogate: n-Nonane	52.4		50.0		105	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### Anions by EPA 300.0/9056A

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 (2321037-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride ND 20.0

**LCS (2321037-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 248 20.0 250 99.3 90-110

**Matrix Spike (2321037-MS1)**

Source: E305133-21

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 277 20.0 250 28.5 99.5 80-120

**Matrix Spike Dup (2321037-MSD1)**

Source: E305133-21

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 270 20.0 250 28.5 96.6 80-120 2.70 20





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### Anions by EPA 300.0/9056A

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 (2321038-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride ND 20.0

**LCS (2321038-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 255 20.0 250 102 90-110

**Matrix Spike (2321038-MS1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 281 20.0 250 22.7 103 80-120

**Matrix Spike Dup (2321038-MSD1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 283 20.0 250 22.7 104 80-120 0.634 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:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:49

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.



Client: Pima Environmental Services  
 Project: Shogart W Fed. 29CTB1  
 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:

Attention: Bill To De Von  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Pima Project # 205-2

Lab Use Only  
 Lab WO# E 305183 Job Number 01058-0007  
 TAT  
 1D 2D 3D Standard  
 EPA Program  
 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	BGDOC NIM	BGDOC TX	Remarks
9:45	5/12/23	S	1	C1-1'	1							X		
9:50				C1-2'	2									
9:55				C1-3'	3									
10:00				C2-1'	4									
10:05				C2-2'	5									
10:10				C2-3'	6									
10:15				C3-1'	7									
10:20				C3-2'	8									
10:25				C3-3'	9									
10:30				CW1	10									

Additional Instructions: BH 21165881

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 Adams Date 5/22/23 Time 2:00  
 Relinquished by: (Signature) [Signature] Date 5-22-23 Time 1730  
 Relinquished by: (Signature) Andrew Mesa Date 5-22-23 Time 2400  
 Received by: (Signature) [Signature] Date 5-22-23 Time 1400  
 Received by: (Signature) Andrew Mesa Date 5-22-23 Time 1900  
 Received by: (Signature) Celia Mann Date 5/23/23 Time 8:15  
 Lab Use Only  
 Received on ice: (X) N  
 T1 T2 T3  
 AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 This report is the property of EnviroTech. The report for the analysis of the above sample is valid for 90 days from the date of the report. No other charges will be assessed for this report.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shogast W. Fed 29 CTB1</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 # <u>205-2</u>		Lab Use Only Lab WO# <u>E305133</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
	Analysis and Method							State NM CO UT AZ TX		
	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks	
							X			

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
10:35	5/12/23	S	1	CW2	11							X		
10:40				CW3	12									
10:45				CW4	13									
10:50				D1-1'	14									
10:55				D1-2'	15									
11:00				D1-3'	16									
11:05				D1-4'	17									
11:10				PW1	18									
11:15				DW2	19									
11:20				DW3	20									

Additional Instructions: Bit 21165881

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: A.F

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>Kerime Hoan</u>	Date <u>5-22-23</u>	Time <u>200</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>1800</u>	
Relinquished by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Cathy Mann</u>	Date <u>5/23/23</u>	Time <u>8:15</u>	

Sample Matrix: S - Soil, SD - Solid, SG - Sledge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 (Note: Samples are discarded 90 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  
 Project: Shugarf W Fed. 29 CTB1  
 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:

Attention: Bill To DeYon  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Pima Project # 205-2

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E305133</u>	<u>01058-0007</u>				<input checked="" type="checkbox"/>		
Analysis and Method						RCRA	

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
<u>11:25</u>	<u>5/12/23</u>	<u>S</u>	<u>1</u>	<u>E1-1</u>	<u>21</u>							<input checked="" type="checkbox"/>		
<u>11:30</u>				<u>E1-2</u>	<u>22</u>									
<u>11:35</u>				<u>E1-3</u>	<u>23</u>									
<u>11:40</u>				<u>E1-4</u>	<u>24</u>									
<u>11:45</u>				<u>EW1</u>	<u>25</u>									
<u>11:50</u>				<u>EW2</u>	<u>26</u>									
<u>11:55</u>				<u>EW3</u>	<u>27</u>									

Additional Instructions: B# 21165881

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: AIF

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

Relinquished by: (Signature) <u>Karime Adame</u>	Date <u>5/22/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5.22.23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5.22.23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew M...so</u>	Date <u>5.22.23</u>	Time <u>1900</u>	
Relinquished by: (Signature) <u>Andrew M...so</u>	Date <u>5.22.23</u>	Time <u>2400</u>	Received by: (Signature) <u>Cathy Tran</u>	Date <u>5/23/23</u>	Time <u>8:15</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: 5/24/2023 3:27:51PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/23 08:15	Work Order ID:	E305133
Phone:	(575) 631-6977	Date Logged In:	05/22/23 16:26	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/26/23 17:00 (3 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

Carrier: Courier

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

**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? No
  - 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

**Comments/Resolution**

Project Shugart W Fed 29 CTB 1 has been separated into 2 reports due to sample volume. Workorders are as follows: E305132 & E305133.

**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: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/26/23

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: 5/26/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1  
Workorder: E305133  
Date Received: 5/23/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2023 8:15:00AM, under the Project Name: Shugart W Fed 29 CTB 1.

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 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 PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 05/26/23 14:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1 - 1'	E305133-01A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 2'	E305133-02A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 3'	E305133-03A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 1'	E305133-04A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 2'	E305133-05A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 3'	E305133-06A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 1'	E305133-07A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 2'	E305133-08A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 3'	E305133-09A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW1	E305133-10A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW2	E305133-11A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW3	E305133-12A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW4	E305133-13A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 1'	E305133-14A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 2'	E305133-15A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 3'	E305133-16A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 4'	E305133-17A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW1	E305133-18A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW2	E305133-19A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW3	E305133-20A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 1'	E305133-21A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 2'	E305133-22A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 3'	E305133-23A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 4'	E305133-24A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW1	E305133-25A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW2	E305133-26A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW3	E305133-27A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
---	--	---

**C1 - 1'**

**E305133-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.774</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.823</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>1.85</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>2.67</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>138</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9910</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3900</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
---	--	---

**C1 - 2'**

**E305133-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.181</b>	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.191</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>0.337</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>0.528</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>51.7</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4800</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>2860</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		98.2 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C1 - 3'**

**E305133-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>1.33</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.38</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>3.86</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>5.24</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>236</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>5690</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		136 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>31.8</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 1'**

**E305133-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.907</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.983</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>2.00</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>2.98</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>184</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>11000</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>4440</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		134 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.9</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 2'**

**E305133-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.171</b>	0.0500	2	05/23/23	05/24/23	
Toluene	ND	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.182</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>0.330</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>0.512</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>52.0</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4790</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C2 - 3'**

**E305133-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.27	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	1.88	0.125	5	05/23/23	05/24/23	
p,m-Xylene	5.18	0.250	5	05/23/23	05/24/23	
Total Xylenes	7.06	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	291	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	6330	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		146 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	28.7	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 1'**

**E305133-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	<b>0.814</b>	0.0500	2	05/23/23	05/24/23	
Toluene	<b>0.266</b>	0.0500	2	05/23/23	05/24/23	
o-Xylene	<b>0.718</b>	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	<b>1.87</b>	0.100	2	05/23/23	05/24/23	
Total Xylenes	<b>2.58</b>	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>118</b>	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9090</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3570</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.5</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 2'**

**E305133-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.397</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.244</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>0.429</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>0.673</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>111</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>4340</b>	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>2700</b>	1000	20	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**C3 - 3'**

**E305133-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>2.42</b>	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.89</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>5.34</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>7.23</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>288</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>8230</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>2760</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		152 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>33.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW1**

**E305133-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW2**

**E305133-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW3**

**E305133-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**CW4**

**E305133-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.7 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 1'**

**E305133-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>2.15</b>	0.125	5	05/23/23	05/24/23	
Toluene	<b>0.709</b>	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>1.95</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>5.35</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>7.30</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>278</b>	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>9610</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	<b>3530</b>	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>		120 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>22.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 2'**

**E305133-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	<b>0.318</b>	0.125	5	05/23/23	05/24/23	
Toluene	<b>0.222</b>	0.125	5	05/23/23	05/24/23	
o-Xylene	<b>0.692</b>	0.125	5	05/23/23	05/24/23	
p,m-Xylene	<b>0.404</b>	0.250	5	05/23/23	05/24/23	
Total Xylenes	<b>1.10</b>	0.125	5	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>5190</b>	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 3'**

**E305133-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	1.86	0.0500	2	05/23/23	05/24/23	
Toluene	0.0502	0.0500	2	05/23/23	05/24/23	
o-Xylene	1.50	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	4.08	0.100	2	05/23/23	05/24/23	
Total Xylenes	5.58	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7830	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		145 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**D1 - 4'**

**E305133-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	<b>1.32</b>	0.0250	1	05/23/23	05/24/23	
Toluene	<b>0.0274</b>	0.0250	1	05/23/23	05/24/23	
o-Xylene	<b>1.29</b>	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	<b>3.08</b>	0.0500	1	05/23/23	05/24/23	
Total Xylenes	<b>4.37</b>	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	<b>157</b>	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	<b>7050</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		143 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	<b>36.7</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW1**  
**E305133-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	20.1	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW2**

**E305133-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**DW3**

**E305133-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 1'**

**E305133-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.301</b>	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.795</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>0.961</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>1.76</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>208</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>9370</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	<b>3770</b>	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		128 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2321037
Chloride	<b>28.5</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 2'**

**E305133-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.0950</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	ND	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>0.0950</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>84.6</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		105 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>4240</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		99.4 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 3'**

**E305133-23**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.254</b>	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>0.619</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>0.758</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>1.38</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>145</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>4150</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	<b>22.5</b>	20.0	1	05/23/23	05/24/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**E1 - 4'**

**E305133-24**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	<b>0.718</b>	0.0500	2	05/23/23	05/25/23	
Toluene	<b>0.0920</b>	0.0500	2	05/23/23	05/25/23	
o-Xylene	<b>1.61</b>	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	<b>2.06</b>	0.100	2	05/23/23	05/25/23	
Total Xylenes	<b>3.67</b>	0.0500	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	<b>356</b>	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	<b>6560</b>	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
		145 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	<b>45.5</b>	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW1**  
**E305133-25**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW2**

**E305133-26**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		92.9 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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**EW3**

**E305133-27**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321041
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	05/23/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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#### Volatile Organic Compounds by EPA 8260B

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 (2321021-BLK1)

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.519		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101		70-130		
Surrogate: Toluene-d8	0.525		0.500		105		70-130		

#### LCS (2321021-BS1)

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.72	0.0250	2.50		109		70-130		
Ethylbenzene	2.70	0.0250	2.50		108		70-130		
Toluene	2.74	0.0250	2.50		110		70-130		
o-Xylene	2.94	0.0250	2.50		117		70-130		
p,m-Xylene	5.77	0.0500	5.00		115		70-130		
Total Xylenes	8.71	0.0250	7.50		116		70-130		
Surrogate: Bromofluorobenzene	0.533		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103		70-130		
Surrogate: Toluene-d8	0.529		0.500		106		70-130		

#### Matrix Spike (2321021-MS1)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.22	0.0250	2.50	ND	89.0		48-131		
Ethylbenzene	2.19	0.0250	2.50	ND	87.6		45-135		
Toluene	2.22	0.0250	2.50	ND	88.8		48-130		
o-Xylene	2.40	0.0250	2.50	ND	96.0		43-135		
p,m-Xylene	4.70	0.0500	5.00	ND	94.0		43-135		
Total Xylenes	7.10	0.0250	7.50	ND	94.7		43-135		
Surrogate: Bromofluorobenzene	0.546		0.500		109		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102		70-130		
Surrogate: Toluene-d8	0.524		0.500		105		70-130		

#### Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Benzene	2.50	0.0250	2.50	ND	99.8		48-131	11.5	23
Ethylbenzene	2.48	0.0250	2.50	ND	99.0		45-135	12.3	27
Toluene	2.51	0.0250	2.50	ND	100		48-130	12.4	24
o-Xylene	2.69	0.0250	2.50	ND	108		43-135	11.5	27
p,m-Xylene	5.34	0.0500	5.00	ND	107		43-135	12.7	27
Total Xylenes	8.03	0.0250	7.50	ND	107		43-135	12.3	27
Surrogate: Bromofluorobenzene	0.539		0.500		108		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9		70-130		
Surrogate: Toluene-d8	0.526		0.500		105		70-130		



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321033-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

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	7.67		8.00		95.9	70-130			

**LCS (2321033-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.7	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

**Matrix Spike (2321033-MS1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	23.2	0.125	25.0	ND	92.7	54-133			
Ethylbenzene	25.4	0.125	25.0	0.774	98.4	61-133			
Toluene	24.9	0.125	25.0	ND	99.8	61-130			
o-Xylene	26.2	0.125	25.0	0.823	102	63-131			
p,m-Xylene	51.6	0.250	50.0	1.85	99.4	63-131			
Total Xylenes	77.8	0.125	75.0	2.67	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	41.1		40.0		103	70-130			

**Matrix Spike Dup (2321033-MSD1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Benzene	22.4	0.125	25.0	ND	89.7	54-133	3.33	20	
Ethylbenzene	24.7	0.125	25.0	0.774	95.6	61-133	2.84	20	
Toluene	24.1	0.125	25.0	ND	96.4	61-130	3.49	20	
o-Xylene	25.4	0.125	25.0	0.823	98.4	63-131	3.06	20	
p,m-Xylene	50.0	0.250	50.0	1.85	96.3	63-131	3.07	20	
Total Xylenes	75.4	0.125	75.0	2.67	97.0	63-131	3.06	20	
Surrogate: 4-Bromochlorobenzene-PID	39.5		40.0		98.7	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321021-BLK1)

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

#### LCS (2321021-BS2)

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	59.6	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

#### Matrix Spike (2321021-MS2)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

#### Matrix Spike Dup (2321021-MSD2)

Source: E305129-27

Prepared: 05/23/23 Analyzed: 05/23/23

Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321033-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

**LCS (2321033-BS2)**

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

**Matrix Spike (2321033-MS2)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	404	100	250	138	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.4		40.0		95.9	70-130			

**Matrix Spike Dup (2321033-MSD2)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Gasoline Range Organics (C6-C10)	400	100	250	138	105	70-130	0.990	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.5		40.0		96.1	70-130			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### 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 (2321041-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.1	50-200			

**LCS (2321041-BS1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

**Matrix Spike (2321041-MS1)**

Source: E305119-10

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			

**Matrix Spike Dup (2321041-MSD1)**

Source: E305119-10

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132	0.0311	20	
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

**Blank (2321042-BLK1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			

**LCS (2321042-BS1)**

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

**Matrix Spike (2321042-MS1)**

Source: E305133-13

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

**Matrix Spike Dup (2321042-MSD1)**

Source: E305133-13

Prepared: 05/23/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.838	20	
Surrogate: n-Nonane	52.4		50.0		105	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

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

**Blank (2321037-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride ND 20.0

**LCS (2321037-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 248 20.0 250 99.3 90-110

**Matrix Spike (2321037-MS1)**

Source: E305133-21

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 277 20.0 250 28.5 99.5 80-120

**Matrix Spike Dup (2321037-MSD1)**

Source: E305133-21

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 270 20.0 250 28.5 96.6 80-120 2.70 20



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 5/26/2023 2:49:17PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

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

**Blank (2321038-BLK1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride ND 20.0

**LCS (2321038-BS1)**

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 255 20.0 250 102 90-110

**Matrix Spike (2321038-MS1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 281 20.0 250 22.7 103 80-120

**Matrix Spike Dup (2321038-MSD1)**

Source: E305133-01

Prepared: 05/23/23 Analyzed: 05/24/23

Chloride 283 20.0 250 22.7 104 80-120 0.634 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:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:49

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.



Client: Pima Environmental Services  
 Project: Shugart W Fed. 29CTB1  
 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:

Attention: Bill To De Von  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Pima Project # 205-2

Lab Use Only  
 Lab WO# E 305183 Job Number 01058-0007  
 TAT  
 1D 2D 3D Standard \*  
 EPA Program  
 CWA SDWA  
 RCRA

Analysis and Method  
 DRO/DRO by 8015  
 GRO/DRO by 8015  
 BTEX by 8021  
 VOC by 8260  
 Metals 6010  
 Chloride 300.0  
 BGDOC NIM  
 BGDOC TX  
 State  
 NM CO UT AZ TX  
\*

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 NIM	BGDOC TX	Remarks
9:45	5/12/23	S	1	C1-1'	1							X		
9:50				C1-2'	2									
9:55				C1-3'	3									
10:00				C2-1'	4									
10:05				C2-2'	5									
10:10				C2-3'	6									
10:15				C3-1'	7									
10:20				C3-2'	8									
10:25				C3-3'	9									
10:30				CW1	10									

Additional Instructions: BH 21165881

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. A.F  
 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 Adams Date 5/22/23 Time 2:00  
 Relinquished by: (Signature) [Signature] Date 5-22-23 Time 1730  
 Relinquished by: (Signature) Andrew Mesa Date 5-22-23 Time 2400  
 Received by: (Signature) [Signature] Date 5-22-23 Time 1400  
 Received by: (Signature) Andrew Mesa Date 5-22-23 Time 1900  
 Received by: (Signature) Celia Mann Date 5/23/23 Time 8:15  
 Lab Use Only  
 Received on ice: (Y) N  
 T1 T2 T3  
 AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 This report is the property of EnviroTech. It is to be used for the analysis of the above sample only. No part of this report is to be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from EnviroTech.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shogast W. Fed 29 CTB1</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>		Lab Use Only Lab WO# <u>E305133</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
	Address: _____ City, State, Zip _____ Phone: _____ Email: _____		Pima Project # <u>205-2</u>		Analysis and Method				RCRA	
	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 UT AZ TX	
									X	
									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	BDOC NM	BDOC TX	Remarks
10:35	5/22/23	S	1	CW2	11							X		
10:40				CW3	12									
10:45				CW4	13									
10:50				D1-1'	14									
10:55				D1-2'	15									
11:00				D1-3'	16									
11:05				D1-4'	17									
11:10				PW1	18									
11:15				DW2	19									
11:20				DW3	20									

Additional Instructions: Bit 21165881

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: A.F

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>Kerime Hoan</u>	Date <u>5-22-23</u>	Time <u>200</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>1800</u>	
Relinquished by: (Signature) <u>Andrew Muzzo</u>	Date <u>5-22-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Cathy Mann</u>	Date <u>5/23/23</u>	Time <u>8:15</u>	

Sample Matrix: S - Soil, SD - Solid, SG - Sledge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 (Note: Samples are discarded 90 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	Attention: <b>Bill To DeYon</b>	Lab Use Only		TAT				EPA Program	
Project: <b>Shugarf W Fed. 29 CTB1</b>	Address:	Lab WO# <b>E305133</b>	Job Number <b>01058-0007</b>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	City, State, Zip	Analysis and Method							
Address: 5614 N. Lovington Hwy.	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
City, State, Zip Hobbs, NM, 88240	Email:	State							
Phone: 580-748-1613	Pima Project # <b>205-2</b>	NM	CO	UT	AZ	TX	Remarks		
Email: tom@pimaoil.com		<input checked="" type="checkbox"/>							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:25	5/12/23	S	1	E1-1'	21							X		
11:30				E1-2'	22									
11:35				E1-3'	23									
11:40				E1-4'	24									
11:45				EW1	25									
11:50				EW2	26									
11:55				EW3	27									

Additional Instructions: **B# 21165881**

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: AIF**

Relinquished by: (Signature) <b>Karime Adame</b>	Date <b>5/22/23</b>	Time <b>2:00</b>	Received by: (Signature) <b>[Signature]</b>	Date <b>5.22.23</b>	Time <b>1400</b>	Lab Use Only
Relinquished by: (Signature) <b>[Signature]</b>	Date <b>5.22.23</b>	Time <b>1730</b>	Received by: (Signature) <b>Andrew M...so</b>	Date <b>5.22.23</b>	Time <b>1900</b>	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) <b>Andrew M...so</b>	Date <b>5.22.23</b>	Time <b>2400</b>	Received by: (Signature) <b>Cathy Tran</b>	Date <b>5/23/23</b>	Time <b>8:15</b>	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <b>4</b>
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: 5/24/2023 3:27:51PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 05/23/23 08:15 Work Order ID: E305133
Phone: (575) 631-6977 Date Logged In: 05/22/23 16:26 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 05/26/23 17:00 (3 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

Carrier: Courier

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

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? No
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

Empty box for client instruction.

Comments/Resolution

Project Shugart W Fed 29 CTB 1 has been separated into 2 reports due to sample volume. Workorders are as follows: E305132 & E305133.

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: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/7/23

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: 6/7/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001  
Workorder: E306002  
Date Received: 6/1/2023 8:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2023 8:45:00AM, under the Project Name: West Shugart 29 Fed. #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 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  
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**Southern New Mexico Area**  
**Lynn Jarboe**  
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[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 PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 06/07/23 15:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S1 - 6'

E306002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	50.0	2	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	100	2	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
---	---	--

S1 - 7'

E306002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S2 - 7'

E306002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	06/02/23	06/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S2 - 8'

E306002-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>						
		97.8 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S3 - 6'**

**E306002-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S3 - 8'**

**E306002-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S4 - 6'**

**E306002-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	06/02/23	06/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S4 - 7'

E306002-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322039-BLK1)**

Prepared: 06/01/23 Analyzed: 06/01/23

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	7.62		8.00		95.3	70-130			

**LCS (2322039-BS1)**

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.2	70-130			

**Matrix Spike (2322039-MS1)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	4.21	0.0250	5.00	ND	84.1	54-133			
Ethylbenzene	4.19	0.0250	5.00	ND	83.8	61-133			
Toluene	4.31	0.0250	5.00	ND	86.1	61-130			
o-Xylene	4.27	0.0250	5.00	ND	85.4	63-131			
p,m-Xylene	8.54	0.0500	10.0	ND	85.4	63-131			
Total Xylenes	12.8	0.0250	15.0	ND	85.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

**Matrix Spike Dup (2322039-MSD1)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	5.05	0.0250	5.00	ND	101	54-133	18.2	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	18.3	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	18.1	20	
o-Xylene	5.14	0.0250	5.00	ND	103	63-131	18.4	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	18.0	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	18.1	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322039-BLK1)**

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

**LCS (2322039-BS2)**

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

**Matrix Spike (2322039-MS2)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/02/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

**Matrix Spike Dup (2322039-MSD2)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	7.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322051-BLK1)**

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	50-200			

**LCS (2322051-BS1)**

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

**Matrix Spike (2322051-MS1)**

Source: E306001-01

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	565	50.0	250	255	124	38-132			
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			

**Matrix Spike Dup (2322051-MSD1)**

Source: E306001-01

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	586	50.0	250	255	132	38-132	3.55	20	
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### Anions by EPA 300.0/9056A

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 (2323005-BLK1)**

Prepared: 06/05/23 Analyzed: 06/05/23

Chloride ND 20.0

**LCS (2323005-BS1)**

Prepared: 06/05/23 Analyzed: 06/05/23

Chloride 259 20.0 250 104 90-110

**Matrix Spike (2323005-MS1)**

Source: E306003-01

Prepared: 06/05/23 Analyzed: 06/07/23

Chloride 271 200 250 ND 109 80-120

**Matrix Spike Dup (2323005-MSD1)**

Source: E306003-01

Prepared: 06/05/23 Analyzed: 06/07/23

Chloride 342 200 250 ND 137 80-120 23.1 20 M5

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:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/07/23 15:22

M5      The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. 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.



Client: Pima Environmental Services Project: West Shugart 29 Feb. #001 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-205-2		Lab Use Only Lab WO# F 306002 Job Number 0058-0007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA	
				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		State NM CO UT AZ TX X		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	Remarks
7:00	5/26/23	S	1	S1-6'	1							X		
7:05				S1-7'	2									
7:10				S2-7'	3									
7:15				S2-8'	4									
7:20				S3-6'	5									
7:25				S3-8'	6									
7:30				S4-6'	7									
7:35 <sup>Am</sup>				S4-7	8									

Additional Instructions: B# 211658P1

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) <i>Karine Adams</i>	Date 5/31/23	Time 2:00	Received by: (Signature) <i>Nichelle Gonzales</i>	Date 5-31-23	Time 1400	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Nichelle Gonzales</i>	Date 5-31-23	Time 1730	Received by: (Signature) <i>Andrew Musso</i>	Date 5-31-23	Time 1730	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 5-31-23	Time 2330	Received by: (Signature) <i>Caitlin Marx</i>	Date 6/1/23	Time 8:45	

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: 6/1/2023 9:19:00AM

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: 06/01/23 08:45 Work Order ID: E306002
Phone: (575) 631-6977 Date Logged In: 06/01/23 09:11 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 06/07/23 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/7/23

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: 6/7/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001  
Workorder: E306002  
Date Received: 6/1/2023 8:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2023 8:45:00AM, under the Project Name: West Shugart 29 Fed. #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 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**  
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**Alexa Michaels**  
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[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 PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 06/07/23 15:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S1 - 6'

E306002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	50.0	2	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	100	2	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S1 - 7'

E306002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>						
		99.9 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S2 - 7'

E306002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	06/02/23	06/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S2 - 8'**

**E306002-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		97.8 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S3 - 6'

E306002-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S3 - 8'**

**E306002-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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**S4 - 6'**

**E306002-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	06/02/23	06/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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S4 - 7'

E306002-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	06/01/23	06/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	06/02/23	06/03/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322039-BLK1)**

Prepared: 06/01/23 Analyzed: 06/01/23

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	7.62		8.00		95.3	70-130			

**LCS (2322039-BS1)**

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.2	70-130			

**Matrix Spike (2322039-MS1)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	4.21	0.0250	5.00	ND	84.1	54-133			
Ethylbenzene	4.19	0.0250	5.00	ND	83.8	61-133			
Toluene	4.31	0.0250	5.00	ND	86.1	61-130			
o-Xylene	4.27	0.0250	5.00	ND	85.4	63-131			
p,m-Xylene	8.54	0.0500	10.0	ND	85.4	63-131			
Total Xylenes	12.8	0.0250	15.0	ND	85.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

**Matrix Spike Dup (2322039-MSD1)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Benzene	5.05	0.0250	5.00	ND	101	54-133	18.2	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	18.3	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	18.1	20	
o-Xylene	5.14	0.0250	5.00	ND	103	63-131	18.4	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	18.0	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	18.1	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322039-BLK1)**

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

**LCS (2322039-BS2)**

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

**Matrix Spike (2322039-MS2)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/02/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

**Matrix Spike Dup (2322039-MSD2)**

Source: E306001-02

Prepared: 06/01/23 Analyzed: 06/01/23

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	7.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### 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 (2322051-BLK1)**

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	50-200			

**LCS (2322051-BS1)**

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

**Matrix Spike (2322051-MS1)**

Source: E306001-01

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	565	50.0	250	255	124	38-132			
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			

**Matrix Spike Dup (2322051-MSD1)**

Source: E306001-01

Prepared: 06/02/23 Analyzed: 06/02/23

Diesel Range Organics (C10-C28)	586	50.0	250	255	132	38-132	3.55	20	
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/7/2023 3:22:28PM
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#### Anions by EPA 300.0/9056A

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 (2323005-BLK1)**

Prepared: 06/05/23 Analyzed: 06/05/23

Chloride ND 20.0

**LCS (2323005-BS1)**

Prepared: 06/05/23 Analyzed: 06/05/23

Chloride 259 20.0 250 104 90-110

**Matrix Spike (2323005-MS1)**

Source: E306003-01

Prepared: 06/05/23 Analyzed: 06/07/23

Chloride 271 200 250 ND 109 80-120

**Matrix Spike Dup (2323005-MSD1)**

Source: E306003-01

Prepared: 06/05/23 Analyzed: 06/07/23

Chloride 342 200 250 ND 137 80-120 23.1 20 M5

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:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/07/23 15:22

- M5      The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. 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.

Client: Pima Environmental Services Project: West Shugart 29 Feb. #001 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-205-2		Lab Use Only Lab WO# F 306002 Job Number Q058-0007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA	
				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		State NM CO UT AZ TX X				

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
7:00	5/26/23	S	1	S1-6'	1							X		
7:05				S1-7'	2									
7:10				S2-7'	3									
7:15				S2-8'	4									
7:20				S3-6'	5									
7:25				S3-8'	6									
7:30				S4-6'	7									
7:35 <sup>Am</sup>				S4-7'	8									

Additional Instructions: B# 211658P1

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) <i>Karine Adams</i>	Date 5/31/23	Time 2:00	Received by: (Signature) <i>Nichelle Gonzales</i>	Date 5-31-23	Time 1400	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Nichelle Gonzales</i>	Date 5-31-23	Time 1730	Received by: (Signature) <i>Andrew Musso</i>	Date 5-31-23	Time 1730	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 5-31-23	Time 2330	Received by: (Signature) <i>Caitlin Marx</i>	Date 6/1/23	Time 8:45	

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: 6/1/2023 9:19:00AM

#### 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:	06/01/23 08:45	Work Order ID:	E306002
Phone:	(575) 631-6977	Date Logged In:	06/01/23 09:11	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/07/23 17:00 (4 day TAT)		

#### Chain of Custody (COC)

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

Carrier: Courier

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

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

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

#### Sample Cooler

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

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

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

#### Sample Container

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

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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: Shugart W 29 Fed 1

Work Order: E306128

Job Number: 01058-0007

Received: 6/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/21/23

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: 6/21/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shugart W 29 Fed 1  
Workorder: E306128  
Date Received: 6/16/2023 7:35:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2023 7:35:00AM, under the Project Name: Shugart W 29 Fed 1.

The analytical test results summarized in this report with the Project Name: Shugart W 29 Fed 1 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**  
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[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 PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 06/21/23 17:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 5'	E306128-01A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S2 - 5'	E306128-02A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S1 - 6'	E306128-03A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S2 - 6'	E306128-04A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S3 - 5'	E306128-05A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S3 - 6'	E306128-06A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S4 - 5'	E306128-07A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S4 - 6'	E306128-08A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C1 - 4'	E306128-09A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C2 - 4'	E306128-10A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C1 - 6'	E306128-11A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C2 - 6'	E306128-12A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C3 - 4'	E306128-13A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C3 - 6'	E306128-14A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
D1 - 5'	E306128-15A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
D1 - 6'	E306128-16A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
E1 - 5'	E306128-17A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
E1 - 6'	E306128-18A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**S1 - 5'**

**E306128-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	<b>220</b>	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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S2 - 5'

E306128-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.5 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.2 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	192	20.0	1	06/19/23	06/19/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**S1 - 6'**

**E306128-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	260	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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S2 - 6'

E306128-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.2 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	56.8	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**S3 - 5'**

**E306128-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.3 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	68.3	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**S3 - 6'**

**E306128-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	249	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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S4 - 5'

E306128-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	06/19/23	06/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	90.9	20.0	1	06/19/23	06/19/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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S4 - 6'

E306128-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		96.5 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	191	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C1 - 4'**

**E306128-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	202	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C2 - 4'**

**E306128-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.8 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.4 %	70-130	06/16/23	06/16/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C1 - 6'**

**E306128-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		114 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	47.2	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C2 - 6'**

**E306128-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C3 - 4'**

**E306128-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	2470	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**C3 - 6'**

**E306128-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**D1 - 5'**

**E306128-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	1390	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**D1 - 6'**

**E306128-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**E1 - 5'**

**E306128-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	1240	20.0	1	06/19/23	06/20/23	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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**E1 - 6'**

**E306128-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	06/16/23	06/17/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	06/19/23	06/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/20/23	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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#### 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 (2324063-BLK1)

Prepared: 06/16/23 Analyzed: 06/16/23

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	7.58		8.00		94.7	70-130			

#### LCS (2324063-BS1)

Prepared: 06/16/23 Analyzed: 06/16/23

Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.6	70-130			

#### Matrix Spike (2324063-MS1)

Source: E306128-10

Prepared: 06/16/23 Analyzed: 06/16/23

Benzene	4.43	0.0250	5.00	ND	88.6	54-133			
Ethylbenzene	4.37	0.0250	5.00	ND	87.4	61-133			
Toluene	4.58	0.0250	5.00	ND	91.6	61-130			
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131			
p,m-Xylene	9.02	0.0500	10.0	ND	90.2	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

#### Matrix Spike Dup (2324063-MSD1)

Source: E306128-10

Prepared: 06/16/23 Analyzed: 06/16/23

Benzene	5.16	0.0250	5.00	ND	103	54-133	15.2	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	15.6	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	15.4	20	
o-Xylene	5.34	0.0250	5.00	ND	107	63-131	15.6	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	15.7	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	15.7	20	
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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#### 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 (2324063-BLK1)**

Prepared: 06/16/23 Analyzed: 06/16/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			

**LCS (2324063-BS2)**

Prepared: 06/16/23 Analyzed: 06/16/23

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			

**Matrix Spike (2324063-MS2)**

Source: E306128-10

Prepared: 06/16/23 Analyzed: 06/16/23

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			

**Matrix Spike Dup (2324063-MSD2)**

Source: E306128-10

Prepared: 06/16/23 Analyzed: 06/16/23

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	1.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.4	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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#### 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 (2325018-BLK1)**

Prepared: 06/19/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

**LCS (2325018-BS1)**

Prepared: 06/19/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			

**Matrix Spike (2325018-MS1)**

Source: E306128-14

Prepared: 06/19/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

**Matrix Spike Dup (2325018-MSD1)**

Source: E306128-14

Prepared: 06/19/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	7.17	20	
Surrogate: n-Nonane	50.2		50.0		100	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 6/21/2023 5:01:31PM
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#### Anions by EPA 300.0/9056A

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 (2325012-BLK1)**

Prepared: 06/19/23 Analyzed: 06/19/23

Chloride	ND	20.0							
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**LCS (2325012-BS1)**

Prepared: 06/19/23 Analyzed: 06/19/23

Chloride	252	20.0	250		101	90-110			
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**Matrix Spike (2325012-MS1)**

Source: E306128-01

Prepared: 06/19/23 Analyzed: 06/19/23

Chloride	405	20.0	250	220	74.0	80-120			M2
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**Matrix Spike Dup (2325012-MSD1)**

Source: E306128-01

Prepared: 06/19/23 Analyzed: 06/19/23

Chloride	376	20.0	250	220	62.6	80-120	7.31	20	M2
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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:	Shugart W 29 Fed 1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/23 17:01

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.



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Shogret W 29 Pal 1</u>		Attention: <u>Debra</u>		Lab WO# <u>E306128</u>		Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method									RCRA	
Address: 5614 N. Lovington Hwy.		City, State, Zip												
City, State, Zip Hobbs, NM, 88240		Phone:												
Phone: 580-748-1613		Email:												
Email: tom@pimaoil.com		Pima Project # <u>205-2</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
Am 800	6/16/23	S	1	S1-5'	1							X		
805			2	S2-5'	2									
810			3	S1-6'	3									
815			4	S2-6'	4									
820			5	S3-5'	5									
825			6	S3-6'	6									
830			7	S4-5'	7									
835			8	S4-6'	8									
840			9	C1-4'	9									
845			10	C2-4'	10									

Additional Instructions: Billig # 21165881

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>[Signature]</u>	Date: 6/15/23	Time: 230	Received by: (Signature) <u>[Signature]</u>	Date: 6-15-23	Time: 1430	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: 6-15-23	Time: 1715	Received by: (Signature) <u>[Signature]</u>	Date: 6-15-23	Time: 1730	
Relinquished by: (Signature) <u>[Signature]</u>	Date: 6-16-23	Time: 2400	Received by: (Signature) <u>[Signature]</u>	Date: 6/16/23	Time: 7:35	

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.



<b>Client: Pima Environmental Services</b> Project: 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:		<b>Bill To</b> Attention: <i>Daniel</i> Address: City, State, Zip Phone: Email: Pima Project # 205-2		<b>Lab Use Only</b> Lab Work # <i>E306128</i> Job Number <i>10158-0007</i>		<b>TAT</b> 1D 2D 3D Standard			<b>EPA Program</b> CWA SDWA RCRA		
<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>State</b> NM CO UT AZ TX											
<b>Remarks</b>											

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
850	6/11/23	S	11	C1-6"	11									
900			12	C2-6"	12									
905			13	C3-4"	13									
910			14	C3-6"	14									
915			15	D1-5"	15									
920			16	D1-6"	16									
925			17	E1-5"	17									
930			18	E1-6"	18							X		

**Additional Instructions:** *Bill # 21165881*

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) <i>[Signature]</i>	Date: 6/15/23	Time: 2:30	Received by: (Signature) <i>[Signature]</i>	Date: 6/15/23	Time: 1:30	<b>Lab Use Only</b> Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1: _____ T2: _____ T3: _____ AVG Temp °C <i>4</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date: 6-15-23	Time: 1715	Received by: (Signature) <i>[Signature]</i>	Date: 6-15-23	Time: 1730	
Relinquished by: (Signature) <i>[Signature]</i>	Date: 6-16-23	Time: 2400	Received by: (Signature) <i>[Signature]</i>	Date: 6/16/23	Time: 7:35	

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: 6/16/2023 10:50:57AM

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: 06/16/23 07:35 Work Order ID: E306128
Phone: (575) 631-6977 Date Logged In: 06/16/23 08:58 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 06/22/23 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

Carrier: Courier

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

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

Empty box for client instructions.

Comments/Resolution

Number of containers was listed incorrectly on COC when received from client.

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

Date



envirotech Inc.



Client: Pima Environmental Services		Bill To		Lab Use Only			TAT			EPA Program		
Project: <u>Shogert W 29 Jul 1</u>		Attention: <u>Debra</u>		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		<u>E3010/28</u>	<u>01058-0007</u>					<u>X</u>		
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method								
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	RCRA
Phone: <u>580-748-1613</u>		Email:		State								
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>205-2</u>		NM CO UT AZ TX								
Report due by:				<u>X</u>								

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
<u>Am</u>	<u>6/15/23</u>	<u>S</u>	<u>1</u>	<u>S1-5'</u>	<u>1</u>							<u>X</u>		<u>Corrected #</u>
<u>805</u>			<u>1</u>	<u>S2-5'</u>	<u>2</u>									<u>of Containers</u>
<u>810</u>			<u>1</u>	<u>S1-6'</u>	<u>3</u>									<u>6/16/23 CM</u>
<u>815</u>			<u>1</u>	<u>S2-6'</u>	<u>4</u>									
<u>820</u>			<u>1</u>	<u>S3-5'</u>	<u>5</u>									
<u>825</u>			<u>1</u>	<u>S3-6'</u>	<u>6</u>									
<u>830</u>			<u>1</u>	<u>S4-5'</u>	<u>7</u>									
<u>835</u>			<u>1</u>	<u>S4-6'</u>	<u>8</u>									
<u>840</u>			<u>1</u>	<u>C1-4'</u>	<u>9</u>									
<u>845</u>			<u>1</u>	<u>C2-4'</u>	<u>10</u>									

Additional Instructions: Billig # 21165881

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>[Signature]</u>	Date: <u>6/15/23</u>	Time: <u>230</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>6-15-23</u>	Time: <u>1430</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>6-15-23</u>	Time: <u>1715</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>6-15-23</u>	Time: <u>1730</u>	Received on ice: <u>(Y) N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>6-16-23</u>	Time: <u>2400</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>6/16/23</u>	Time: <u>7:35</u>	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <u>4</u>
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

Client: Pima Environmental Services Project: <u>Shugart W 29 Fed 1</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>Daniel</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>		Lab Use Only Lab Work: <u>E3060128</u> Job Number: <u>01058-P007</u>		TAT 1D 2D 3D Standard		EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX		State NM CO UT AZ TX		Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
850	6/4/23	S	1H	C1-6"	11									
900			12	C2-6"	12									
905			13	C3-4"	13									
910			14	C3-6"	14									
915			15	D1-5"	15									
920			16	D1-6"	16									
925			17	E1-5"	17									
930			18	E1-6"	18							X		

Additional Instructions: Bill # 21165881

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>[Signature]</u>			Date	Time	Received by: (Signature) <u>[Signature]</u>			Date	Time	Lab Use Only		
Relinquished by: (Signature) <u>[Signature]</u>			6/15/23	2:30	Received by: (Signature) <u>[Signature]</u>			6/15/23	1:30	Received on ice: <u>Y/N</u>		
Relinquished by: (Signature) <u>[Signature]</u>			6-15-23	1715	Received by: (Signature) <u>[Signature]</u>			6-15-23	1730	T1: T2: T3:		
Relinquished by: (Signature) <u>[Signature]</u>			6-16-23	2400	Received by: (Signature) <u>[Signature]</u>			6/16/23	7:35	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.







PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 12, 2024

GIO GOMEZ

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: WEST SHUGART 29 FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/06/24 14:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

- Method EPA 552.2      Haloacetic Acids (HAA-5)
- Method EPA 524.2      Total Trihalomethanes (TTHM)
- Method EPA 524.4      Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: SW 1 (0-4') (H243255-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: SW 2 (0-4') (H243255-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: SW 3 (0-4') (H243255-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204		
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38		
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: SW 4 (0-4') (H243255-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: CW 1 (0-4') (H243255-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: CW 2 (0-4') (H243255-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: CW 3 (0-4') (H243255-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: CW 4 (0-4') (H243255-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: DW 1 (0-4') (H243255-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: DW 2 (0-4') (H243255-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: DW 3 (0-4') (H243255-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: DW 4 (0-4') (H243255-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: EW 1 (0-4') (H243255-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: EW 2 (0-4') (H243255-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: EW 3 (0-4') (H243255-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

PIMA ENVIROMENTAL  
 GIO GOMEZ  
 1601 N TURNER STE. 500  
 HOBBS NM, 88240  
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

**Sample ID: EW 4 (0-4') (H243255-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services
Project Manager: Gio Gomez
Address: 5614 N. Lovington Hwy
City: Hobbs State: NM Zip: 88240
Phone #: 575-964-7740 Fax #:
Project #: 205-2 Project Owner: Devon
Project Name: West Shugart 29 Federal Battery
Project Location:
Sampler Name:

BILL TO

ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., (G/RAB OR (C)OMP, # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and analysis results for TPH, BTEX, Chloride.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Karime Adams
Date: 6/24/24
Received By: [Signature]
Delivered By: (Circle One) -3.8: #140
Sample Condition: Cool Intact
CHECKED BY: [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Form with fields for Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project #, Project Name, Project Location, Sampler Name, and a table for Matrix, Preserv, and Sampling.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form with fields for Relinquished By, Received By, Date, Time, Phone Result, Fax Result, Add'l Phone #, Add'l Fax #, Remarks, Delivered By, and Sample Condition.

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Report to:  
Tom Bynum



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## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E502275

Job Number: 01058-0007

Received: 2/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/5/25

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.  
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/5/25

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001  
Workorder: E502275  
Date Received: 2/27/2025 4:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/27/2025 4:30:00AM, under the Project Name: West Shugart 29 Fed. #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 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)

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

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### Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 03/05/25 08:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-1.5'	E502275-01A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
2-1.5'	E502275-02A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
3-1.5'	E502275-03A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
4-1.5'	E502275-04A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
5-1.5'	E502275-05A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
6-1.5'	E502275-06A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
7-1.5'	E502275-07A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
8-1.5'	E502275-08A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W1-1.5'	E502275-09A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W2-1.5'	E502275-10A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W3-1.5'	E502275-11A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W4-1.5'	E502275-12A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W5-1.5'	E502275-13A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W6-1.5'	E502275-14A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
---	---	--

**1-1.5'**  
**E502275-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	275	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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2-1.5'

E502275-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	51.5	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	51.8	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	234	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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3-1.5'

E502275-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	1500	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1050	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	394	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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4-1.5'

E502275-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	1690	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1310	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		99.5 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	630	20.0	1	02/27/25	02/27/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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5-1.5'

E502275-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	2200	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1550	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	847	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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6-1.5'

E502275-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/03/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/03/25	
Toluene	ND	0.0250	1	02/27/25	03/03/25	
o-Xylene	ND	0.0250	1	02/27/25	03/03/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/03/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/03/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/27/25	03/03/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	02/27/25	03/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/03/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/27/25	03/03/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	02/27/25	03/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	63.9	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	111	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	233	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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7-1.5'

E502275-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	82.7	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	76.4	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	220	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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8-1.5'

E502275-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	1730	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1270	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	438	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W1-1.5'**  
**E502275-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	82.7	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	111	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	197	20.0	1	02/27/25	02/27/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W2-1.5'**  
**E502275-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	39.0	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	55.9	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	276	20.0	1	02/27/25	02/27/25	

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W3-1.5'**

**E502275-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	44.7	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	53.0	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	215	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W4-1.5'**

**E502275-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	<b>1880</b>	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	<b>1340</b>	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	<b>266</b>	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W5-1.5'**

**E502275-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	<b>134</b>	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	<b>163</b>	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	<b>257</b>	20.0	1	02/27/25	02/27/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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**W6-1.5'**  
**E502275-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	<b>68.4</b>	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	<b>80.3</b>	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	02/27/25	02/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	<b>206</b>	20.0	1	02/27/25	02/27/25	





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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#### 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 (2509101-BLK1)

Prepared: 02/27/25 Analyzed: 03/03/25

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	0.492		0.500		98.4		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9		70-130		
Surrogate: Toluene-d8	0.489		0.500		97.7		70-130		

#### LCS (2509101-BS1)

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.23	0.0250	2.50		89.4		70-130		
Ethylbenzene	2.20	0.0250	2.50		88.1		70-130		
Toluene	2.16	0.0250	2.50		86.3		70-130		
o-Xylene	2.15	0.0250	2.50		86.0		70-130		
p,m-Xylene	4.31	0.0500	5.00		86.2		70-130		
Total Xylenes	6.46	0.0250	7.50		86.1		70-130		
Surrogate: Bromofluorobenzene	0.494		0.500		98.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2		70-130		
Surrogate: Toluene-d8	0.483		0.500		96.5		70-130		

#### Matrix Spike (2509101-MS1)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.50	0.0250	2.50	ND	100		48-131		
Ethylbenzene	2.47	0.0250	2.50	ND	98.9		45-135		
Toluene	2.42	0.0250	2.50	ND	96.9		48-130		
o-Xylene	2.41	0.0250	2.50	ND	96.3		43-135		
p,m-Xylene	4.83	0.0500	5.00	ND	96.5		43-135		
Total Xylenes	7.23	0.0250	7.50	ND	96.5		43-135		
Surrogate: Bromofluorobenzene	0.495		0.500		98.9		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2		70-130		
Surrogate: Toluene-d8	0.488		0.500		97.5		70-130		

#### Matrix Spike Dup (2509101-MSD1)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.21	0.0250	2.50	ND	88.6		48-131	12.3	23
Ethylbenzene	2.16	0.0250	2.50	ND	86.4		45-135	13.5	27
Toluene	2.10	0.0250	2.50	ND	84.1		48-130	14.2	24
o-Xylene	2.11	0.0250	2.50	ND	84.3		43-135	13.3	27
p,m-Xylene	4.22	0.0500	5.00	ND	84.4		43-135	13.4	27
Total Xylenes	6.33	0.0250	7.50	ND	84.4		43-135	13.4	27
Surrogate: Bromofluorobenzene	0.488		0.500		97.5		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6		70-130		
Surrogate: Toluene-d8	0.480		0.500		95.9		70-130		



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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#### 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 (2509101-BLK1)**

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

**LCS (2509101-BS2)**

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

**Matrix Spike (2509101-MS2)**

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

**Matrix Spike Dup (2509101-MSD2)**

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130	15.2	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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#### 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 (2509097-BLK1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	61-141			

**LCS (2509097-BS1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

**Matrix Spike (2509097-MS1)**

Source: E502274-06

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	52.8		50.0		106	61-141			

**Matrix Spike Dup (2509097-MSD1)**

Source: E502274-06

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	2.38	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 3/5/2025 8:50:43AM
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#### Anions by EPA 300.0/9056A

Analyst: AK

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 (2509104-BLK1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride ND 20.0

**LCS (2509104-BS1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 254 20.0 250 102 90-110

**Matrix Spike (2509104-MS1)**

Source: E502275-05

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 1090 20.0 250 847 96.1 80-120

**Matrix Spike Dup (2509104-MSD1)**

Source: E502275-05

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 1110 20.0 250 847 104 80-120 1.75 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:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/05/25 08:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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









Client Information				Invoice Information				Lab Use Only				TAT				State																																																																																																										
Client: Pima Environmental Services, LLC				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX																																																																																																							
Project Name: West Shugart 29 Fed #1				Address:				E502275		01058-0007					X	X																																																																																																										
Project Manager: Tom Bynum				City, State, Zip:				<table border="1"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="3">EPA Program</th> </tr> <tr> <th>DRO/DRO by 8015</th> <th>GRO/DRO by 8015</th> <th>BTEX by 8021</th> <th>VOC by 8260</th> <th>Chloride 300.0</th> <th>BGDOC - NM</th> <th>TCOQ 1005 - TX</th> <th>RCRA 8 Metals</th> <th>Cation/Anion Pkg</th> <th>SDWA</th> <th>CWA</th> <th>RCRA</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Compliance</td> <td>Y</td> <td>or</td> <td>N</td> </tr> <tr> <td colspan="9"></td> <td>PWSID #</td> <td colspan="2"></td> </tr> </tbody> </table>								Analysis and Method								EPA Program			DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCOQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA										Compliance	Y	or	N										PWSID #																																																													
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Address: 5614 N Lovington Hwy				Phone:				<table border="1"> <thead> <tr> <th colspan="13">Sample Information</th> </tr> <tr> <th>Time Sampled</th> <th>Date Sampled</th> <th>Matrix</th> <th>No. of Containers</th> <th>Sample ID</th> <th>Field Filter</th> <th>Lab Number</th> <th colspan="6"></th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>10:33</td> <td>2/21/2025</td> <td>S</td> <td></td> <td>W3-1.5'</td> <td></td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10:38</td> <td></td> <td></td> <td></td> <td>W4-1.5'</td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10:42</td> <td></td> <td></td> <td></td> <td>W5-1.5'</td> <td></td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10:49</td> <td></td> <td></td> <td></td> <td>W6-1.5'</td> <td></td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												Sample Information													Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number							Remarks	10:33	2/21/2025	S		W3-1.5'		11													10:38				W4-1.5'		12													10:42				W5-1.5'		13													10:49				W6-1.5'		14												
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City, State, Zip: Hobbs, NM 88240				Email:																																																																																																																						
Phone: (580)748-1613				Miscellaneous: Project No. # 1-298																																																																																																																						
Email: Tom@pimaoil.com																																																																																																																										
Additional Instructions: BILLING- 21165881																																																																																																																										
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: Andrew Franco																																																																																																																										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 oC on subsequent days.																																																																																																														
Andrew Franco		2/21/25		12:30		Yarime Adame		2/26/25		9:11																																																																																																																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																																																																																																																
Yarime Adame		2/26/25		1:16		Michelle Gonzalez		2-26-25		1316																																																																																																																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>																																																																																																														
Michelle Gonzalez		2-26-25		1520		Richard Gonzalez		2-26-25		1520																																																																																																																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																																																																																																														
Richard Gonzalez		2-26-25		2:30		Muyah R Hall		2-27-25		0430																																																																																																																
Note: Samples are discarded 14 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: 2/27/2025 11:15:19AM

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: 02/27/25 04:30	Work Order ID: E502275
Phone: (575) 631-6977	Date Logged In: 02/26/25 15:08	Logged In By: Caitlin Mars
Email: tom@pimaoil.com	Due Date: 03/05/25 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? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

**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**

**Comments/Resolution**

No of containers not provided on COC.

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

Date



envirotech Inc.

Report to:  
Delrae Geller



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Federal #001

Work Order: E508020

Job Number: 01058-0007

Received: 8/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/5/25

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: 8/5/25

Delrae Geller  
PO Box 247  
Plains, TX 79355-0247

Project Name: West Shugart 29 Federal #001  
Workorder: E508020  
Date Received: 8/5/2025 6:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2025 6:00:00AM, under the Project Name: West Shugart 29 Federal #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Federal #001 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)

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



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### Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 08/05/25 17:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E508020-01A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW2	E508020-02A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW3	E508020-03A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW4	E508020-04A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS1	E508020-05A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS2	E508020-06A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS3	E508020-07A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS4	E508020-08A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS5	E508020-09A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS6	E508020-10A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS7	E508020-11A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS8	E508020-12A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS9	E508020-13A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS10	E508020-14A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS11	E508020-15A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS12	E508020-16A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS13	E508020-17A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS14	E508020-18A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS15	E508020-19A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS16	E508020-20A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS17	E508020-21A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS18	E508020-22A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CSW1**

**E508020-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2532025	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2532027	
Chloride	ND	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CSW2**

**E508020-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	ND	20.0	1	08/05/25	08/05/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CSW3**

**E508020-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	100	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CSW4**

**E508020-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	ND	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS1**

**E508020-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	20.8	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS2**

**E508020-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	163	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS3**

**E508020-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	38.6	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	72.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	4540	40.0	2	08/05/25	08/05/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS4**

**E508020-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	54.1	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	156	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS5**

**E508020-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	65.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	108	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	2830	40.0	2	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS6**

**E508020-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.5 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2532025	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2532027	
Chloride	1950	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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CS7

E508020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		97.4 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	258	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS8**

**E508020-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	397	20.0	1	08/05/25	08/05/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS9**

**E508020-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.2 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	127	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	94.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	2070	40.0	2	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS10**

**E508020-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		96.3 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	158	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS11**

**E508020-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	28.2	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	87.7	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS12**

**E508020-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	50.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	52.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		96.1 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	3460	40.0	2	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS13**

**E508020-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	84.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	85.9	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		92.9 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	226	20.0	1	08/05/25	08/05/25	





### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS14**

**E508020-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	127	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	167	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	327	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS15**

**E508020-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	104	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	117	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	498	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS16**

**E508020-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	36.3	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	25.8	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS17**

**E508020-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.1 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2532026
Diesel Range Organics (C10-C28)	40.9	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532028
Chloride	36.9	20.0	1	08/05/25	08/05/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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**CS18**

**E508020-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	08/05/25	08/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2532026
Diesel Range Organics (C10-C28)	116	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	117	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	08/05/25	08/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2532028
Chloride	953	20.0	1	08/05/25	08/05/25	





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### 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 (2532029-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

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

**LCS (2532029-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.68	0.0250	5.00		114	70-130			
Ethylbenzene	5.56	0.0250	5.00		111	70-130			
Toluene	5.66	0.0250	5.00		113	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			

**Matrix Spike (2532029-MS1)**

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.78	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130			
Toluene	5.76	0.0250	5.00	ND	115	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130			
Total Xylenes	16.9	0.0250	15.0	ND	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

**Matrix Spike Dup (2532029-MSD1)**

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.44	0.0250	5.00	ND	109	70-130	6.04	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	5.34	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	5.62	20	
o-Xylene	5.25	0.0250	5.00	ND	105	70-130	5.23	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	5.19	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	5.20	26	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### 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 (2532030-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

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	7.25		8.00		90.6	70-130			

**LCS (2532030-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

**Matrix Spike (2532030-MS1)**

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.51	0.0250	5.00	ND	110	70-130			
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130			
Toluene	5.51	0.0250	5.00	0.0283	110	70-130			
o-Xylene	5.46	0.0250	5.00	ND	109	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

**Matrix Spike Dup (2532030-MSD1)**

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.19	0.0250	5.00	ND	104	70-130	6.12	27	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	5.93	26	
Toluene	5.17	0.0250	5.00	0.0283	103	70-130	6.46	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	5.42	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	5.81	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	5.68	26	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### 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 (2532029-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

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

**LCS (2532029-BS2)**

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

**Matrix Spike (2532029-MS2)**

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

**Matrix Spike Dup (2532029-MSD2)**

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	0.292	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### 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 (2532030-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			

**LCS (2532030-BS2)**

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

**Matrix Spike (2532030-MS2)**

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

**Matrix Spike Dup (2532030-MSD2)**

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	4.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2532025-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.0		50.0		90.0	61-141			

**LCS (2532025-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	47.0		50.0		93.9	61-141			

**Matrix Spike (2532025-MS1)**

Source: E508020-14

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	401	25.0	250	ND	160	56-156			M2
Surrogate: n-Nonane	50.0		50.0		100	61-141			

**Matrix Spike Dup (2532025-MSD1)**

Source: E508020-14

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	40.1	20	R4
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2532026-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

**LCS (2532026-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

**Matrix Spike (2532026-MS1)**

Source: E508020-21

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	356	25.0	250	40.9	126	56-156			
Surrogate: n-Nonane	39.0		50.0		78.1	61-141			

**Matrix Spike Dup (2532026-MSD1)**

Source: E508020-21

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	351	25.0	250	40.9	124	56-156	1.37	20	
Surrogate: n-Nonane	50.0		50.0		99.9	61-141			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### Anions by EPA 300.0/9056A

Analyst: JM

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 (2532027-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride ND 20.0

**LCS (2532027-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 255 20.0 250 102 90-110

**Matrix Spike (2532027-MS1)**

Source: E508020-02

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 255 20.0 250 ND 102 80-120

**Matrix Spike Dup (2532027-MSD1)**

Source: E508020-02

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 254 20.0 250 ND 101 80-120 0.565 20



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM
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#### Anions by EPA 300.0/9056A

Analyst: JM

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

**Blank (2532028-BLK1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride ND 20.0

**LCS (2532028-BS1)**

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 257 20.0 250 103 90-110

**Matrix Spike (2532028-MS1)**

Source: E508020-22

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 1490 20.0 250 953 213 80-120 M4

**Matrix Spike Dup (2532028-MSD1)**

Source: E508020-22

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 1330 20.0 250 953 151 80-120 11.0 20 M4

QC Summary Report Comment:

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



### Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/05/25 17:06

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R4 The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous.
- 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.



Chain of Custody

<b>Client Information</b>		<b>Invoice Information</b>		<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: <i>Pimco Environmental</i>		Company: <i>Devon Energy</i>		Lab WO# <i>E509020</i>		Job Number <i>01058-0007</i>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <i>West Shugart 29 Federal #001</i>		Address:		Address:				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
Project Manager: <i>Delroy Geller</i>		City, State, Zip:		City, State, Zip:											
Address: <i>5614 North Loxington Hwy</i>		Phone:		Phone:											
City, State, Zip: <i>Hobbes, NM 88240</i>		Email:		Email:											
Phone: <i>(800) 724-5391</i>		Miscellaneous: <i>1-248</i>		Miscellaneous:											
Email: <i>Delroy@pimcoil.com</i>															

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRG/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA		
8:10	8-1-25	S		CSW1		1						<input checked="" type="checkbox"/>								
8:20	8-1-25	S		CSW2		2														
8:30	8-1-25	S		CSW3		3														
8:40	8-1-25	S		CSW4		4														
8:50	8-1-25	S		CS1		5														
9:00	8-1-25	S		CS2		6														
9:10	8-1-25	S		CS3		7														
9:20	8-1-25	S		CS4		8														
9:30	8-1-25	S		CS5		9														
9:40	8-1-25	S		CS6		10														

Additional Instructions: *Billing EE-167545.01.ABD*

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: *Marlon Garcia*

Relinquished by: (Signature) <i>Marlon Garcia</i>	Date <i>8-1-25</i>	Time <i>3:00</i>	Received by: (Signature) <i>Michelle Gonzales</i>	Date <i>8-4-25</i>	Time <i>1400</i>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="checkbox"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date <i>8-4-25</i>	Time <i>1600</i>	Received by: (Signature) <i>Marissa Gonzales</i>	Date <i>8-4-25</i>	Time <i>1600</i>	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date <i>8-4-25</i>	Time <i>1900</i>	Received by: (Signature) <i>Andrew Musso</i>	Date <i>8-4-25</i>	Time <i>1900</i>	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date <i>8-4-25</i>	Time <i>2400</i>	Received by: (Signature) <i>Cathy Mann</i>	Date <i>8-5-25</i>	Time <i>1000</i>	
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 14 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.



Client Information				Invoice Information				Lab Use Only				TAT				State																							
Client: <u>Pinta Environmental</u>				Company: <u>Duron Energy</u>				Lab WO# <u>E508020</u>				Job Number <u>01056-0057</u>				<table border="1"> <tr> <td>1D</td><td>2D</td><td>3D</td><td>Std</td> </tr> <tr> <td>X</td><td></td><td></td><td></td> </tr> </table>				1D	2D	3D	Std	X				<table border="1"> <tr> <td>NM</td><td>CO</td><td>UT</td><td>TX</td> </tr> <tr> <td>X</td><td></td><td></td><td></td> </tr> </table>				NM	CO	UT	TX	X			
1D	2D	3D	Std																																				
X																																							
NM	CO	UT	TX																																				
X																																							
Project Name: <u>West Shogart 24 Federal # 001</u>				Address:																																			
Project Manager: <u>Debrae Geiler</u>				City, State, Zip:																																			
Address: <u>5614 N Lexington Hwy</u>				Phone:																																			
City, State, Zip: <u>Holtz, PA 15840</u>				Email:																																			
Phone: <u>(800) 724-5511</u>				Miscellaneous: <u>1-248</u>																																			
Email: <u>Debrae@pintaenv.com</u>																																							
Sample Information												Analysis and Method				EPA Program																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA																					
9:50	8-1-25	S		CS7		11						X																											
10:00	8-1-25	S		CS8		12																																	
10:10	8-1-25	S		CS9		13																																	
10:20	8-1-25	S		CS10		14																																	
10:30	8-1-25	S		CS11		15																																	
10:40	8-1-25	S		CS12		16																																	
10:50	8-1-25	S		CS13		17																																	
11:00	8-1-25	S		CS14		18																																	
11:10	8-1-25	S		CS15		19																																	
11:20	8-1-25	S		CS16		20																																	
Additional Instructions: <u>Billing EE-167545.01.ABD</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.																																							
Sampled by: <u>Marden Garcia</u>																																							
Relinquished by: (Signature) <u>Marden Garcia</u>				Date: <u>8-1-25</u>		Time: <u>3:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1400</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> N																							
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1600</u>		Received by: (Signature) <u>Marissa Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1600</u>																									
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1900</u>		Received by: (Signature) <u>Andrewe Musso</u>				Date: <u>8-4-25</u>		Time: <u>1900</u>																									
Relinquished by: (Signature) <u>Andrewe Musso</u>				Date: <u>8-4-25</u>		Time: <u>2400</u>		Received by: (Signature) <u>Caitlin Harv</u>				Date: <u>8-5-25</u>		Time: <u>1000</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 14 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.																																							





Chain of Custody

Client Information				Invoice Information			Lab Use Only				TAT				State				
Client: <u>Pima Environmental</u>				Company: <u>Devon Energy</u>			Lab W/O# <u>E508020</u>		Job Number <u>0058-0057</u>		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>West Shugart 29 Federal #001</u>				Address:							<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				
Project Manager: <u>Del Rae Geller</u>				City, State, Zip:															
Address: <u>5614 N Lovington HWY</u>				Phone:															
City, State, Zip: <u>Hobbs, NM 88240</u>				Email:															
Phone: <u>(806) 724-5341</u>				Miscellaneous: <u>1-298</u>															
Email: <u>Delrae@pimaoil.com</u>																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	no. of Containers	Sample ID	Field Filter	Lab Number	DRQ/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Calcium/Ammon-Plg	SDWA	CWA	RCRA	
11:30	8-1-25	S		CS17		21						<input checked="" type="checkbox"/>							
11:40	8-1-25	S		CS18		22													
Additional Instructions: <u>Billing EE-167545.01.ABD</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.																			
Sampled by: <u>Marlon Garcia</u>																			
Relinquished by: (Signature) <u>Marlon Garcia</u>				Date <u>8-1-25</u>		Time <u>3:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-4-25</u>		Time <u>1400</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.			
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-4-25</u>		Time <u>1600</u>		Received by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-4-25</u>		Time <u>1600</u>					
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-4-25</u>		Time <u>1900</u>		Received by: (Signature) <u>Andrew Musso</u>				Date <u>8-4-25</u>		Time <u>1900</u>					
Relinquished by: (Signature) <u>Andrew Musso</u>				Date <u>8-4-25</u>		Time <u>2400</u>		Received by: (Signature) <u>Cherry Ann</u>				Date <u>8-5-25</u>		Time <u>600</u>					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N			
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>										Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>									
Note: Samples are discarded 14 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: 8/5/2025 9:01:10AM

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: 08/05/25 06:00 Work Order ID: E508020
Phone: (575) 631-6977 Date Logged In: 08/04/25 15:20 Logged In By: Caitlin Mars
Email: Due Date: 08/05/25 07:00 (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

Carrier: Courier

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

Comments/Resolution

No 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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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

[Empty box for Client Instruction]

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

Date



envirotech Inc.

Report to:  
Delrae Geller



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Federal #1

Work Order: E508149

Job Number: 01058-0007

Received: 8/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/14/25

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: 8/14/25

Delrae Geller  
PO Box 247  
Plains, TX 79355-0247

Project Name: West Shugart 29 Federal #1  
Workorder: E508149  
Date Received: 8/14/2025 7:15:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2025 7:15:00AM, under the Project Name: West Shugart 29 Federal #1.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Federal #1 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  
[mgonzales@envirotech-inc.com](mailto:mgonzales@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 PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 08/14/25 15:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Backfill 1	E508149-01A	Soil	08/13/25	08/14/25	Glass Jar, 4 oz.
Backfill 2	E508149-02A	Soil	08/13/25	08/14/25	Glass Jar, 4 oz.



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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**Backfill 1**  
**E508149-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Benzene	ND	0.0250	1	08/14/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/14/25	08/14/25	
Toluene	ND	0.0250	1	08/14/25	08/14/25	
o-Xylene	ND	0.0250	1	08/14/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/14/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/14/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	08/14/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	08/14/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2533088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/25	08/14/25	
<i>Surrogate: n-Nonane</i>						
		87.2 %	61-141	08/14/25	08/14/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2533087
Chloride	ND	20.0	1	08/14/25	08/14/25	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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**Backfill 2**  
**E508149-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Benzene	ND	0.0250	1	08/14/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/14/25	08/14/25	
Toluene	ND	0.0250	1	08/14/25	08/14/25	
o-Xylene	ND	0.0250	1	08/14/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/14/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/14/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.3 %	70-130	08/14/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	08/14/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2533088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/25	08/14/25	
<i>Surrogate: n-Nonane</i>						
		85.0 %	61-141	08/14/25	08/14/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2533087
Chloride	ND	20.0	1	08/14/25	08/14/25	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2533096-BLK1)

Prepared: 08/14/25 Analyzed: 08/14/25

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	6.67		8.00		83.4	70-130			

#### LCS (2533096-BS1)

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.7	70-130			

#### Matrix Spike (2533096-MS1)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130			
Toluene	5.20	0.0250	5.00	ND	104	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			

#### Matrix Spike Dup (2533096-MSD1)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	1.87	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	2.11	26	
Toluene	5.31	0.0250	5.00	ND	106	70-130	2.00	20	
o-Xylene	5.21	0.0250	5.00	ND	104	70-130	2.50	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	2.00	23	
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130	2.16	26	
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		89.9	70-130			





### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2533096-BLK1)**

Prepared: 08/14/25 Analyzed: 08/14/25

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

**LCS (2533096-BS2)**

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

**Matrix Spike (2533096-MS2)**

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

**Matrix Spike Dup (2533096-MSD2)**

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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#### 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 (2533088-BLK1)**

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.5		50.0		83.0	61-141			

**LCS (2533088-BS1)**

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	216	25.0	250		86.3	66-144			
Surrogate: n-Nonane	40.5		50.0		80.9	61-141			

**Matrix Spike (2533088-MS1)**

Source: E508149-01

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	217	25.0	250	ND	87.0	56-156			
Surrogate: n-Nonane	40.8		50.0		81.7	61-141			

**Matrix Spike Dup (2533088-MSD1)**

Source: E508149-01

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	56-156	0.376	20	
Surrogate: n-Nonane	42.1		50.0		84.2	61-141			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	<b>Reported:</b> 8/14/2025 3:08:24PM
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#### Anions by EPA 300.0/9056A

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 (2533087-BLK1)**

Prepared: 08/13/25 Analyzed: 08/13/25

Chloride ND 20.0

**LCS (2533087-BS1)**

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride 256 20.0 250 102 90-110

**Matrix Spike (2533087-MS1)**

Source: E508139-06

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride 768 40.0 250 500 107 80-120

**Matrix Spike Dup (2533087-MSD1)**

Source: E508139-06

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride 743 40.0 250 500 97.2 80-120 3.30 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:	West Shugart 29 Federal #1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/14/25 15:08

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.







Envirotech Analytical Laboratory

Printed: 8/14/2025 10:46:07AM

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: 08/14/25 07:15 Work Order ID: E508149
Phone: (575) 631-6977 Date Logged In: 08/13/25 14:58 Logged In By: Caitlin Mars
Email: Due Date: 08/14/25 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

Carrier: Courier

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

Comments/Resolution

No of containers not provided on COC. Missing relinquished time from 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? No

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? Yes
15. Are VOC samples collected in VOA Vials? No
16. Is the head space less than 6-8 mm (pea sized or less)? No
17. Was a trip blank (TB) included for VOC analyses? No
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

Empty box for client instruction.

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

Date



envirotech Inc.

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 507017

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1808253927
Incident Name	NAB1808253927 WEST SHUGART 29 FEDERAL #001 @ 30-015-29948
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-29948] WEST SHUGART 29 FEDERAL #001
Incident Facility	[fAPP2130628309] SHUGART W FED 29 CTB 1

**Location of Release Source**

Please answer all the questions in this group.

Site Name	WEST SHUGART 29 FEDERAL #001
Date Release Discovered	03/11/2018
Surface Owner	Federal

**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: Overflow - Tank, Pit, Etc.   Water Tank   Produced Water   Released: 9 BBL   Recovered: 5 BBL   Lost: 4 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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QUESTIONS, Page 2

Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

*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: James Raley Title: EHS Professional Email: jim.raley@dvsn.com Date: 09/18/2025
--	---

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QUESTIONS, Page 3

Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 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	Between 1 and 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	Yes

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<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

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

Chloride (EPA 300.0 or SM4500 Cl B)	2470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33251
GRO+DRO (EPA SW-846 Method 8015M)	23927
BTEX (EPA SW-846 Method 8021B or 8260B)	14
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

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

On what estimated date will the remediation commence	08/05/2024
On what date will (or did) the final sampling or liner inspection occur	02/01/2025
On what date will (or was) the remediation complete(d)	02/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	890
What is the estimated volume (in cubic yards) that will be reclaimed	168
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	296

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

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

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QUESTIONS, Page 4

Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/18/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.



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QUESTIONS, Page 5

Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>489982</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>08/01/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>22</b>
What was the sampling surface area in square feet	<b>3527</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	3527
What was the total volume (cubic yards) remediated	653
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	3527
What was the total volume (in cubic yards) reclaimed	653
Summarize any additional remediation activities not included by answers (above)	Facility deconstruction was completed, CTB area was remediation to 5'.

*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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/18/2025
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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**

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Action 507017

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

CONDITIONS

Action 507017

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507017
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	11/19/2025