



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

<u>nAB1808253927</u>: 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 remediated 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 waterbearing 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 <a href="mailto:jim.raley@dvn.com">jim.raley@dvn.com</a>
Pima Environmental – DelRae Geller at 806-724-5391 or <a href="mailto:delrae@pimaoil.com">delrae@pimaoil.com</a>.

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

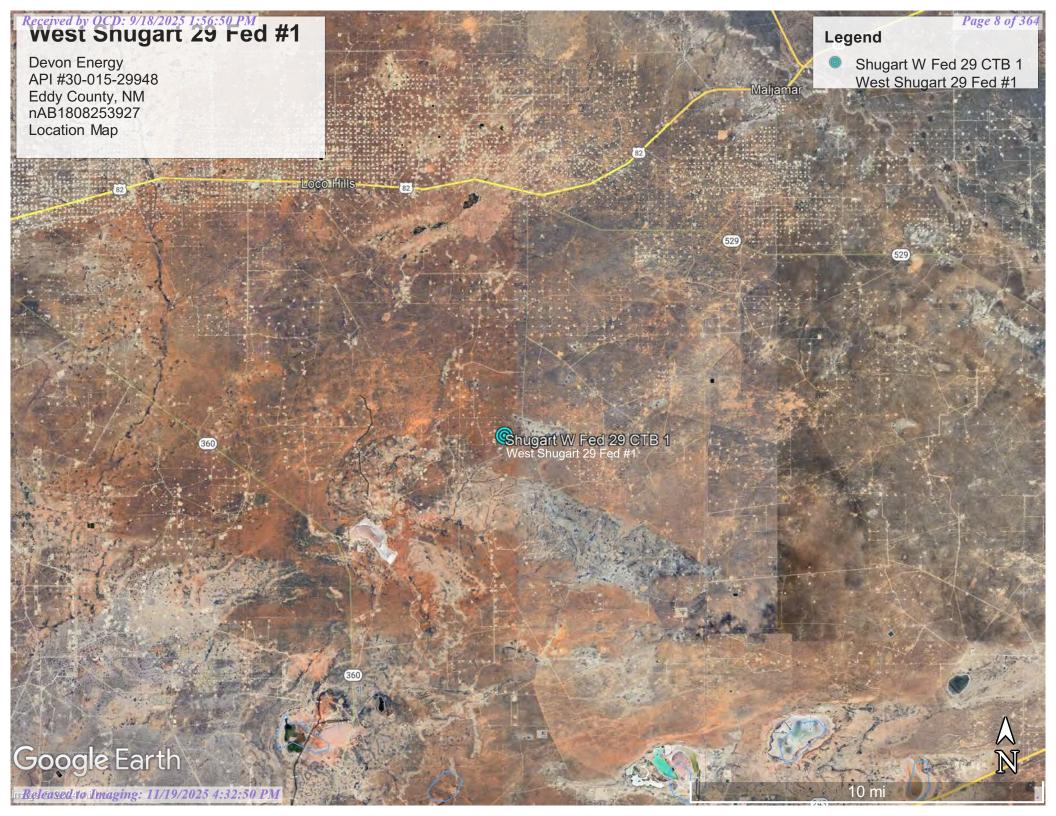
Appendix C - 48-Hour Notification

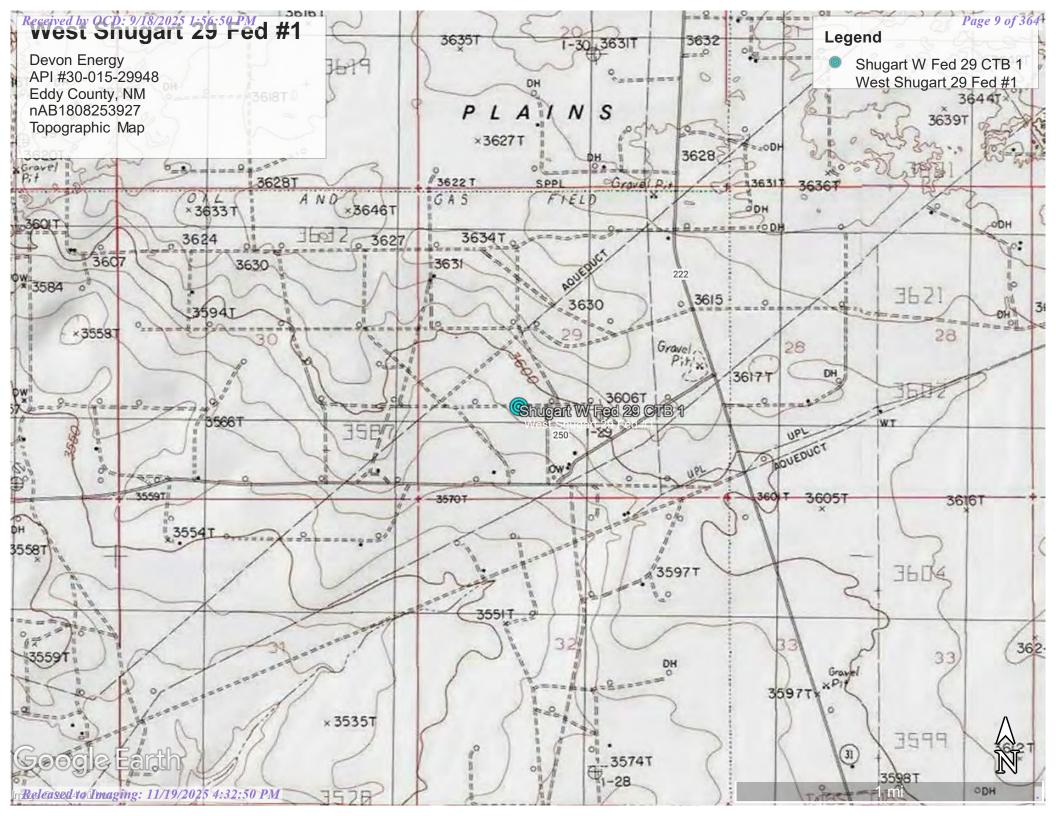
Appendix D - Photographic Documentation

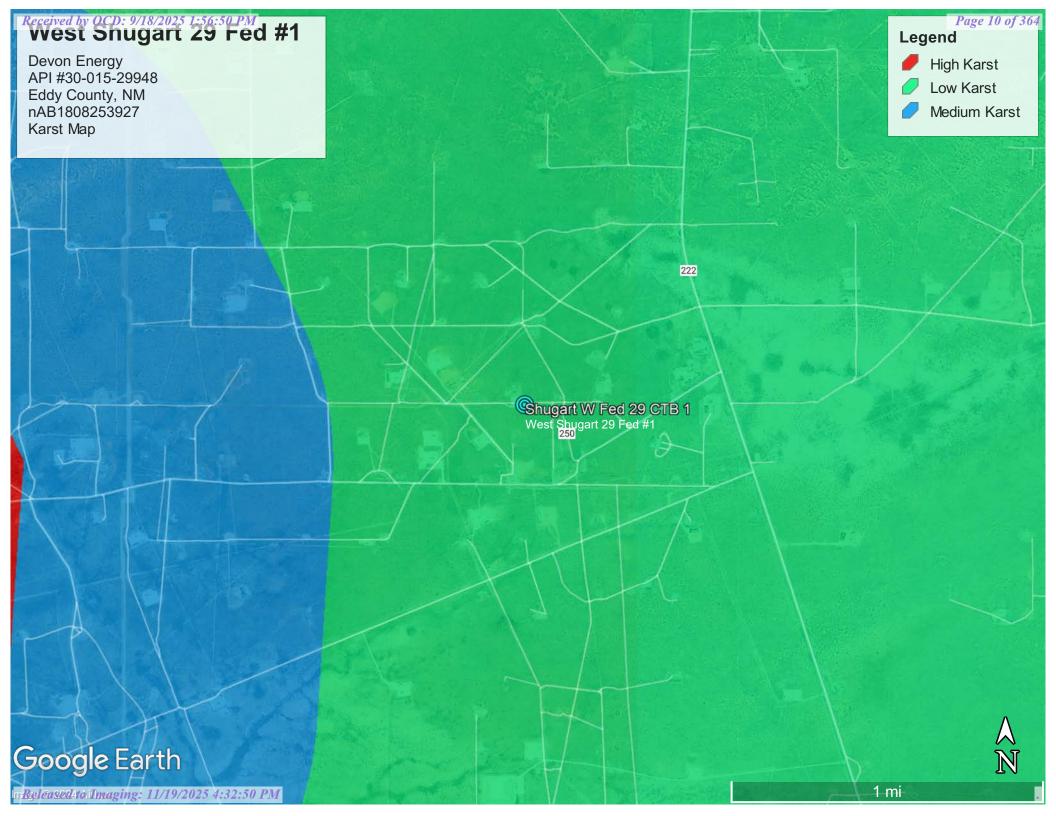
Appendix E - Laboratory Reports

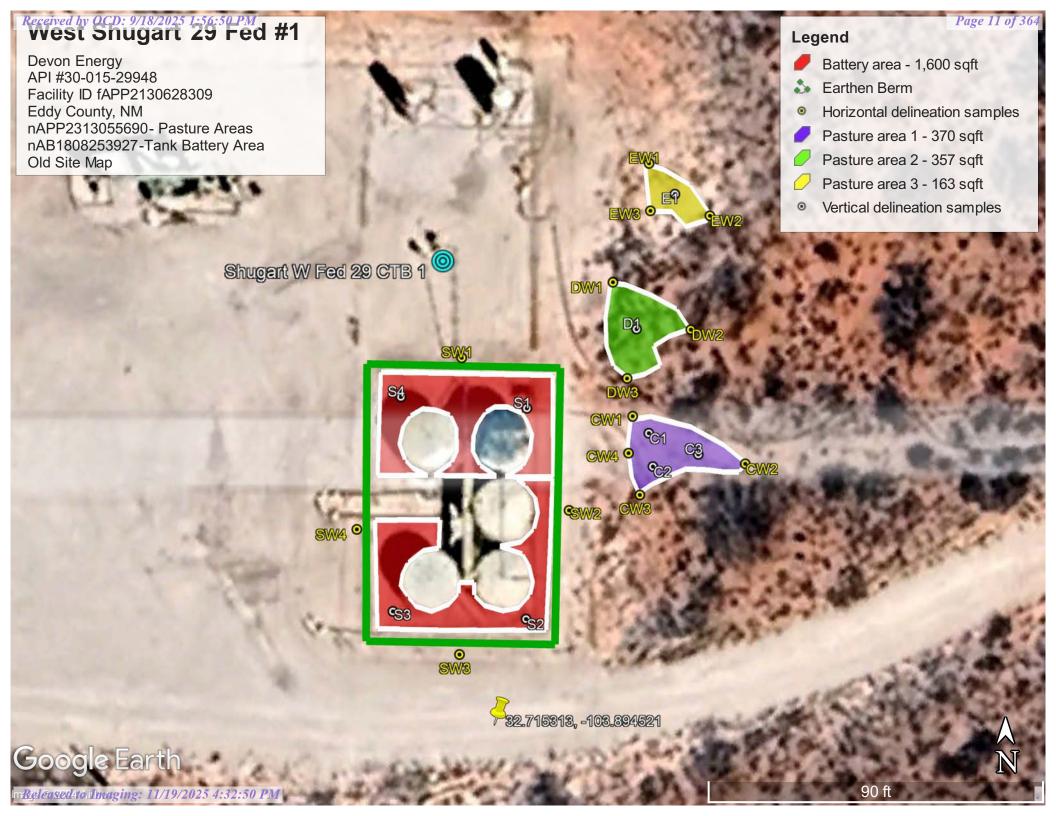
# **FIGURES**

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	NMOCD .	Table 1 Cl	osure Crite	ria 19.15.29	NMAC (De	pth to Gro	undwater is	<50')	
	DEVON E	NERGY - V	Vest Shuga	rt 29 Fed #1	nAPP231	3055690; ı	nAB1808253	927	
				NM Approv	ed Laborat	ory Results	5		
Sample ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample 1D	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		1'	12.9	0.536	488	20800	7970	29271.44	113
	5/12/2023	2'	10.1	0.201	396	16600	6850	23856.3	75.9
	3/12/2023	3'	8.8	0.211	363	12500	5050	17922.01	54.9
S-1		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
	3/20/2023	7'	ND	ND	ND	ND	ND	0	ND
		1'	13.3	0.432	502	22000	8130	30645.73	100
	5/12/2023	2'	10.1	0.263	411	18100	7040	25561.36	72.5
	3/12/2023	3'	10.8	0.25	425	18400	7410	26246.05	87.2
S-2		4'	11.2	0.323	442	15200	6280	21933.52	83.1
3-2	6/14/2023	5'	ND	ND	ND	ND	ND	0	192
	0/ 14/ 2023	6'	ND	ND	ND	ND	ND	0	56.8
	5/26/2023	7'	ND	ND	ND	ND	ND	0	ND
	3/20/2023	8'	ND	ND	ND	ND	ND	0	ND
		1'	14.1	0.437	<b>529</b>	20700	8430	29673.54	95.9
	5/12/2023	2'	7.11	0.132	302	8690	3920	12919.24	51.3
	3/12/2023	3'	6.21	0.121	243	12200	5000	Total TPH mg/kg mg 29271.44 12 23856.3 75 17922.01 52 20406.79 23 0 0 N 0 N 30645.73 10 25561.36 72 26246.05 87 21933.52 83 0 19 0 N 0 N 29673.54 95 12919.24 51 17449.33 52 16054.55 59 0 68 0 N 33251.34 95 7066.55 26 6523.674 61 4176.68 32 0 90 0 N 0 N 0 N 0 N 0 N 0 N 0 N 0 N 0 N 0	52.8
S-3		4'	7.37	0.183	287	11200	4560	16054.55	
	6/14/2023	5'	ND	ND	ND	ND	ND	0	68.3
	5/26/2023	6'	ND	ND	ND	ND	ND		ND
	3, 20, 2023	8'	ND	ND	ND	ND	ND		ND
		1'	13.9	0.444	527	23400	9310		
	5/12/2023	2'	3.55	ND	173	4820	2070		
	3, 12, 2023	3'	0.874	ND	22.8	4570	1930		
S-4		4'	1.88	ND	64.8	2810	1300		
	6/14/2023	5'	ND	ND	ND	ND	ND		
	5/26/2023	6'	ND	ND	ND	ND	ND		
	-, -, -	7'	ND	ND	ND	ND	ND		
SW 1		6"	ND	ND	ND	ND	ND		
SW 2	5/12/2023	6"	ND	ND	ND	ND	ND		mg/kg 113 75.9 54.9 23.2 220 ND ND 100 72.5 87.2 83.1 192 56.8 ND ND 95.9 51.3 52.8 59.7 68.3 ND
SW 3		6"	ND	ND	ND	ND	ND		
SW 4		6"	ND	ND	ND	ND 0010	ND	_	
	E /12 /2022	1'	2.67	ND ND	138	9910	3900	<b>.</b>	
C 1	5/12/2023	2'	0.528	ND ND	51.7	4800	2860		
C-1		3'	5.24	ND ND	236	5690	ND		
	6/14/2023	4'	ND	ND ND	ND	ND	ND		
		6'	ND 2.09	ND	ND	ND	ND		
	E/12/2022	1'	2.98	ND ND	184	11000	4440 ND		
C 3	5/12/2023	2'	0.512	ND ND	52	4790	ND		
C-2		3' 4'	7.06	ND ND	<b>291</b> ND	<b>6330</b> ND	ND ND		
	6/14/2023	6'	ND	ND ND	ND ND	ND ND	ND ND		
	l l	٥	ND	'\\	140	l '''	IVD		110

Cl. ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		1'	2.58	ND	118	9090	3570	12780.58	22.5
	5/12/2023	2'	0.673	ND	111	4340	2700	7151.673	ND
C-3		3'	7.23	ND	288	8230	2760	11285.23	33.7
	6/14/2023	4'	ND	ND	ND	ND	ND	0	2470
	0/14/2023	6'	ND	ND	ND	ND	ND	0	ND
CW 1		6"	ND	ND	ND	ND	ND	0	ND
CW 2	F /12 /2022	6"	ND	ND	ND	ND	ND	0	ND
CW 3	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
CW 4		6"	ND	ND	ND	ND	ND	0	ND
		1'	7.3	ND	278	9610	3530	13425.3	22.7
	F /12 /2022	2'	1.1	ND	ND	5190	ND	5191.1	ND
D 1	5/12/2023	3'	5.58	ND	206	7830	ND	8041.58	46.7
D-1		4'	4.37	ND	157	7050	ND	7211.37	36.7
	6/14/2023	5'	ND	ND	ND	ND	ND	0	1390
	0/14/2023	6'	ND	ND	ND	ND	ND	0	ND
DW 1		6"	ND	ND	20.1	ND	ND	20.1	ND
DW 2	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
DW 3		6"	ND	ND	ND	ND	ND	0	ND
		1'	1.76	ND	208	9370	3770	13349.76	28.5
	5/12/2023	2'	0.095	ND	84.6	4240	ND	4324.695	ND
E-1	5/12/2023	3'	1.38	ND	145	4150	ND	4296.38	22.5
E-T		4'	3.67	ND	356	6560	ND	6919.67	45.5
	6/14/2023	5'	ND	ND	ND	ND	ND	0	1240
	0/14/2023	6'	ND	ND	ND	ND	ND	0	ND
EW 1		6"	ND	ND	ND	ND	ND	0	ND
EW 2	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
EW 3		6"	ND	ND	ND	ND	ND	0	ND

NN	OCD Tab	le 1 Closure	e Criteria 19	9.15.29 NM	AC (Depth	to Groundw	ater is <50'	
DE	VON ENER	RGY - West	Shugart 29	Fed #1 - nA	PP231305	5690, nAB18	08253927	
	D	ate: 6/4/24		NM Appro	oved Labo	ratory Result	s	
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
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

N	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
	DEVO	N ENERGY	-WEST SHU	GART 29 FE	DERAL #0	01 - nAB1808	3253927			
	Sample	Date: 2/21	L/2025	N	M Approv	ed Laborator	y 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**

NM	OCD Table	1 Closure	e Criteria 19	.15.29 NI	MAC (Dept	h to Grou	ndwater is 5	1-100')
		DEVO	ON ENERGY					
Date: 8-1-2	5			NM Ap	proved Lab	oratory R	esults	
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



NM	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')									
		DEVO	ON ENERGY	West Shu	ugart 29 Fe	deral #00	1			
Date: 8-1-2	5			NM Ap	proved Lab	oratory F	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		

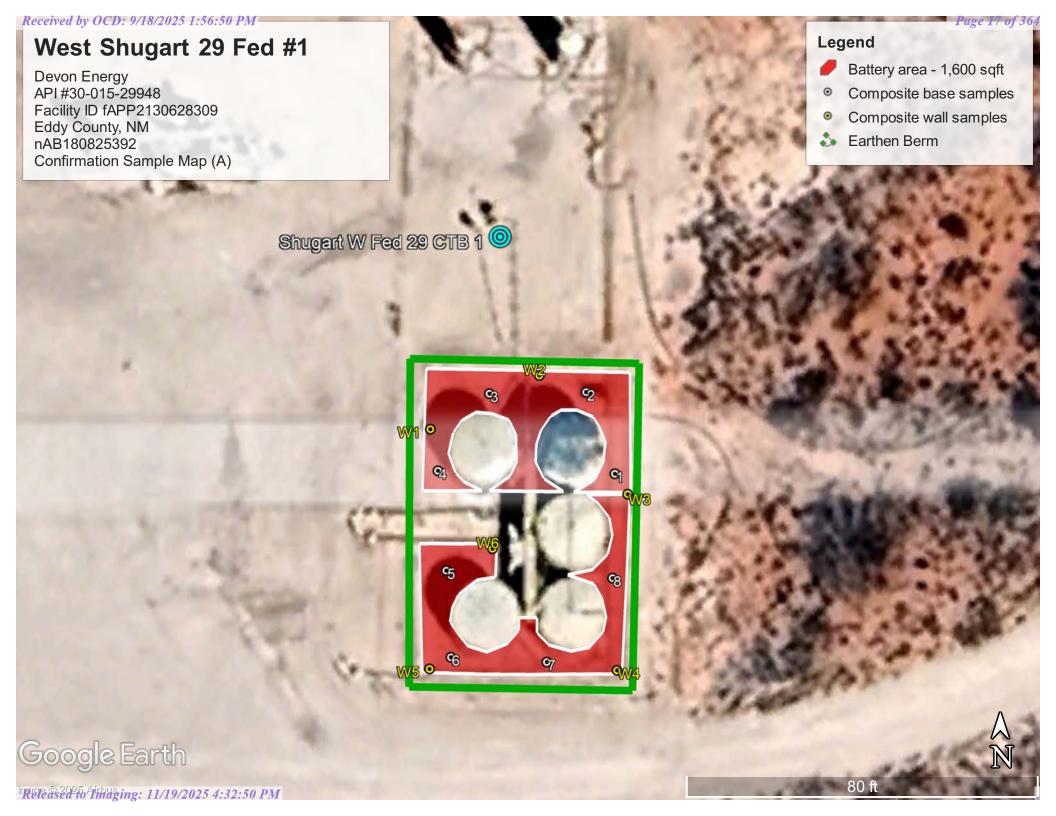
ND/0-Analyte Not Detected

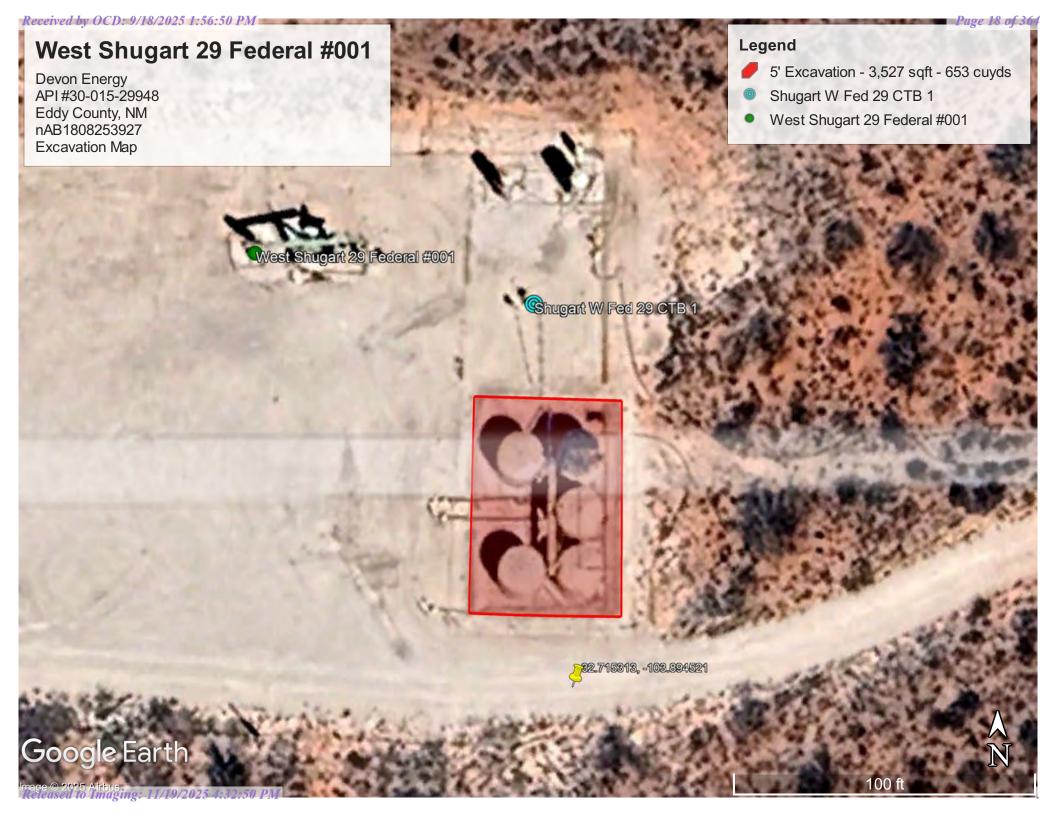
# BACKFILL SOIL SAMPLE RESULTS

NM	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-Anaylte Not Detected







# Received by QCD: 9/18/2025 1:56:50 PM West Snugart 29 Federal #001

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



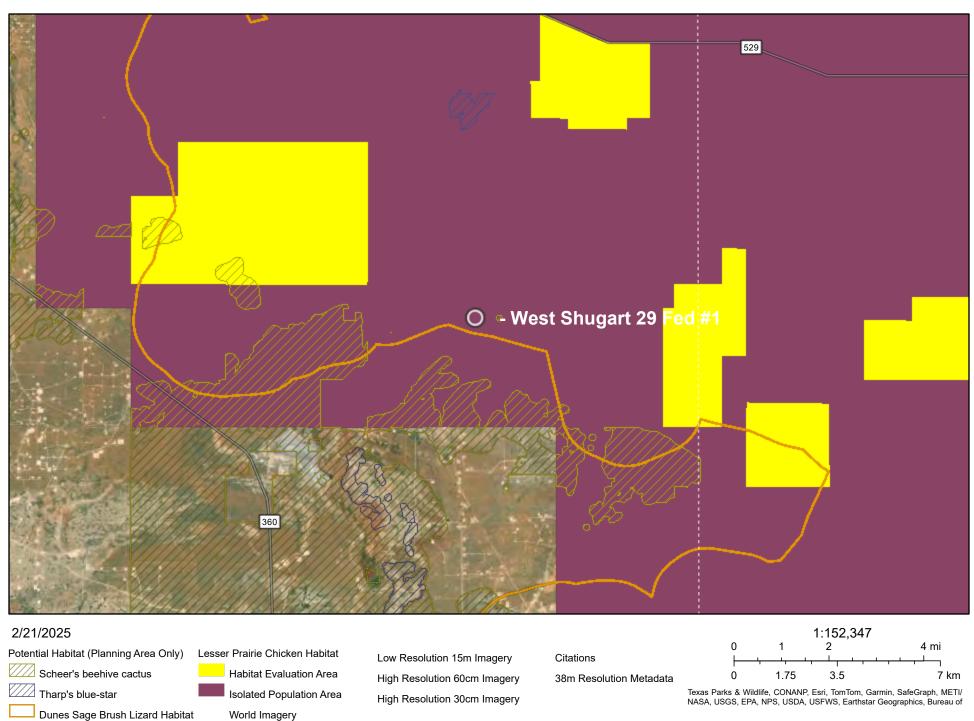
# Legend

Page 19 of 364

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



# Special Status Plant/Wildlife Map



World Imagery

# **APPENDIX A**

Water Surveys
Water-Related Maps



NO	OSE POD NO. (W	ELL NO	.)		WELL TAG ID NO	).		OSE FILE NO(S	S).			
OCATI	WELL OWNER I							PHONE (OPTIO 575-748-016				
WELL	WELL OWNER I 6488 Seven R							CITY Artesia		ZIP		
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		DI TITUDE NGITUDE	32 103	MINUTES 42 53	SECON 56.3	38 <sub>N</sub>		REQUIRED: ONE TEN	TH OF A		
1. GEN	DESCRIPTION I	RELATIN	NG WELL LOCATION TO	STREET ADD	PRESS AND COMMO	N LANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE	
	LICENSE NO. WD-186	2	NAME OF LICENSED	DRILLER	James Hawley				NAME OF WELL DR H&F		OMPANY rises, LLC	
	DRILLING STAF 5/14/25		DRILLING ENDED 5/14/25	DEPTH OF C	OMPLETED WELL (I	FT)	BORE HO	LE DEPTH (FT) 55	DEPTH WATER FIR	Dry H		
N	COMPLETED W	ELL IS:	ARTESIAN *add Centralizer info be		LE SHALL	OW (UNCO	NFINED)		WATER LEVEL PLETED WELL N	/A	DATE STATIC 5/23	
ATIC	DRILLING FLUI	D:	✓ AIR	MUD	ADDITI	VES - SPEC	CIFY:					
RM	DRILLING MET	IOD: 🗸	ROTARY HAM	MER CAR	BLE TOOL OT	IER - SPEC	IFY:		CHECK	HERE IF	PITLESS ADA	PTER IS
CASING INFORMATION	DEPTH (feet bgl)  FROM TO DIAM (inches)			(include	GRADE each casing string sections of screen	g, and	CON	ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	TH	ING WALL ICKNESS inches)	SLOT SIZE (inches)
& C.				No	Casing Left in Hol	e						
2. DRILLING &												
E			-	-								
2. DI												
						-						-
												-
	DEPTH (fe	et bgl)	BOBE HOLE	LIST ANN	ULAR SEAL MATI			L PACK SIZE-	AMOUNT	T	метно	D OF
AL	FROM	DIAM (inches)			spacing below)	(cubic feet)		PLACEN				
TER						N/A						
MA												
LAR												
3. ANNULAR MATERIAL												
FOR	OSE INTERNA	LUSE						WR-2	0 WELL RECORD	& LOG	(Version 00/2	2/2022

POD NO.

TRN NO.

PAGE 1 OF 2

WELL TAG ID NO.

FILE NO.

	DEPTH (f	eet bgl)		COLO	R AND TYPE OF MATER	IAL ENCOUNTERED -		WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE V	VATER-BEARING CAVIT th supplemental sheets to f	IES OR FRACTURE ZONI		BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
Ī	0	5	5		white cemented	caliche		Y ✓N	
t	5	10	5		tan sand and calich	ne mixed		Y √N	
ı	10	20	10		red sand and clay	mixed		Y ✓N	
1	20	50	30		hard red cla	y		Y ✓N	
t	50	55	5		grayish red c	lay		Y ✓N	
اد							-	Y N	
VEL								Y N	
2								Y N	
50								Y N	
CE								Y N	
00								Y N	
EOL								Y N	
500								Y N	
4. HYDROGEOLOGIC LOG OF WELL								Y N	
÷.								Y N	
								Y N	
								Y N	
								Y N	
							-	Y N	
								Y N	
								Y N	
	METHOD I				ARING STRATA:			ESTIMATED YIELD (gpm)	
z	WELL TES	ST STA	T RESULTS - ATT	TACH A COPY O	F DATA COLLECTED DU BLE SHOWING DISCHAR	IRING WELL TESTING, I GE AND DRAWDOWN O	NCLUDING VER THE	G DISCHARG	E METHOD,
5. TEST; RIG SUPERVISION	PRINT NA	ME(S) OF	re	emoved and the	illed on 5/14/25 to 55' bg bore was plugged pursua T PROVIDED ONSITE SU	nt to approved plugging	plan.		
	CORRECT	ERSIGNED	OF THE ABOVE	DESCRIBED HO	THE BEST OF HIS OR HI LE AND THAT HE OR SI	HE WILL FILE THIS WEL	ELIEF, TH	E FOREGOIN	G IS A TRUE AN
6. SIGNATURE	AND THE	PERMIT	July	30 DAYS AFTER	James Hawley	L DRILLING:		5/31/25	
		SIGNA	TURE OF DRILL	PR / PRINT SI	GNEE NAME			DATI	8
FO	R OSE INTE	RNAL USI	3			WR-20 V	VELL REC	ORD & LOG (	Version 09/22/202
	E NO.				POD NO.	TRN NO			
10	CATION					WELL TAG ID N	0.		PAGE 2 OF



# PLUGGING RECORD



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

ner: Devon Energy Product address: 6488 Seven River					Phone P	10	748-0167	
addi Coo.	s Hwy.				12.22			
2 - 2		State:		ı	MM		_ Zip code:	88210
LL PLUGGING INFORM	IATION:							
Name of well drilling com	pany that plugg	ged well:	James Ha	wley/H&	R Enterpr	ises, LLC		
								6/16/25
			owing wel	ll driller	(s)/rig sup	ervisor(s	):	
Date well plugging began:	5/23/25		Date	well plu	ugging co	ncluded:	5/23/25	
GPS Well Location:	Latitude:		deg, deg,					84
Depth of well confirmed a by the following manner:	t initiation of p well sounder	olugging as	:55	ft be	elow grou	nd level (	bgl),	
Static water level measure	d at initiation of	of plugging	g: Dry	ft b	gl			
Date well plugging plan o	f operations wa	as approve	d by the S	tate Eng	ineer: _	3/20/25	-	
Were all plugging activiti differences between the a	es consistent w	ith an appr ing plan an	oved plug d the well	ging pla as it wa	in? is plugged	yes I (attach a	If not, additional pa	please descri ges as needed)
	Name of well drilling complete Mew Mexico Well Driller I Well plugging activities we Nathan Smelcer  Date well plugging began: GPS Well Location:  Depth of well confirmed a by the following manner: Static water level measure Date well plugging plan of the second state of the second sta	Well plugging activities were supervised Nathan Smelcer  Date well plugging began: 5/23/25  GPS Well Location: Latitude: Longitude:  Depth of well confirmed at initiation of by the following manner: well sounder  Static water level measured at initiation of Date well plugging plan of operations well as a serior of the	Name of well drilling company that plugged well:  New Mexico Well Driller License No.:  WD-1862  Well plugging activities were supervised by the followathan Smelcer  Date well plugging began:  GPS Well Location:  Latitude: Longitude: 103  Depth of well confirmed at initiation of plugging as by the following manner: well sounder  Static water level measured at initiation of plugging Date well plugging plan of operations was approved.	Name of well drilling company that plugged well:    James Har	Name of well drilling company that plugged well:    James Hawley/H&	Name of well drilling company that plugged well:    James Hawley/H&R Enterpredate   James Hawley/H&R Enterpredate	Name of well drilling company that plugged well:    New Mexico Well Driller License No.:   WD-1862   Expiral Well plugging activities were supervised by the following well driller(s)/rig supervisor(s Nathan Smelcer   Date well plugging began:   5/23/25   Date well plugging concluded:   GPS Well Location:   Latitude:   32   deg,   42   min,   56.38   Longitude:   103   deg,   53   min,   43.08	Name of well drilling company that plugged well:    James Hawley/H&R Enterprises, LLC

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:

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

# 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

201.97

cubic feet

Signature of Well Driller

gallons

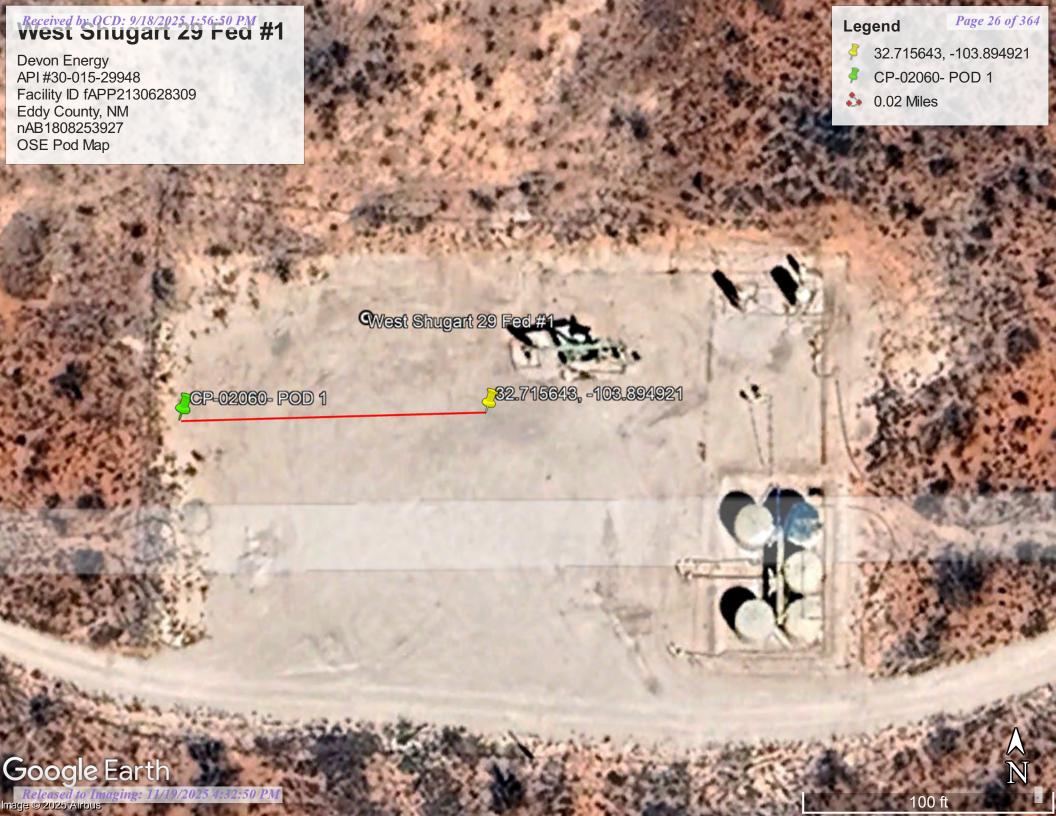
gallons

Date

5/31/25

Version: September 8, 2009

Page 2 of 2





USGS Home Contact USGS Search USGS

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

USGS Water Resources	Data Category:		Geographic Area:		
0303 Water Resources	Groundwater	~	United States	<b>~</b> [	GO

## Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

# **Search Results -- 1 sites found**

site\_no list =

• 324241103561201

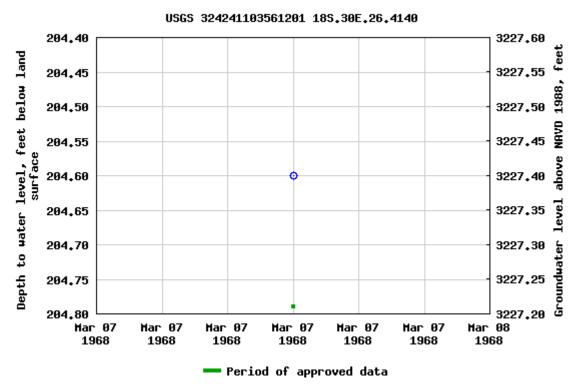
## Minimum number of levels = 1

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	<b>✓</b> GO
Eddy County, New Mexico			
Hydrologic Unit Code 1306	0011		
Latitude 32°42'41", Longit	ude 103°50	6'12" NAD27	
Land-surface elevation 3,43	32 feet abo	ve NAVD88	
The depth of the well is 230	) feet belov	w land surface.	
This well is completed in th			
This well is completed in th	e Chinle Fo	m rmation~(231CHN)	IL) local aquifer.
	0	utnut formate	

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



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

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

Accessibility

FOIA

Privacy

Policies and Notices

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

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

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

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

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

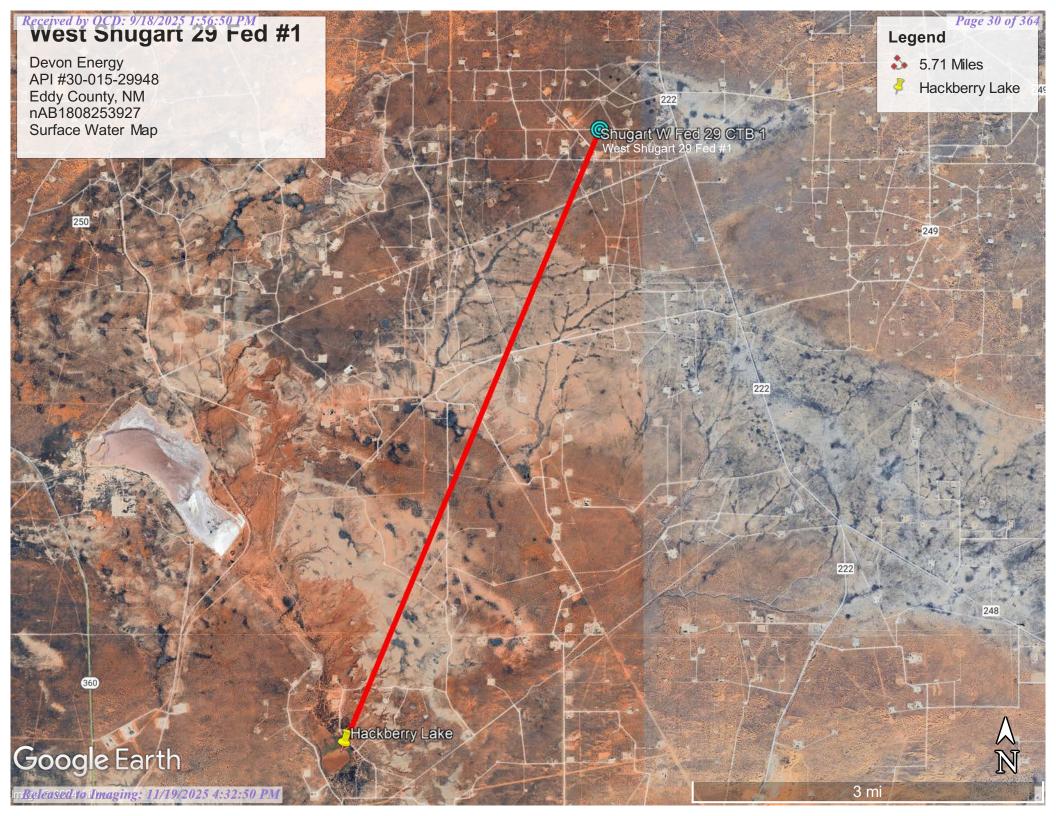
0.56 0.48 nadww01



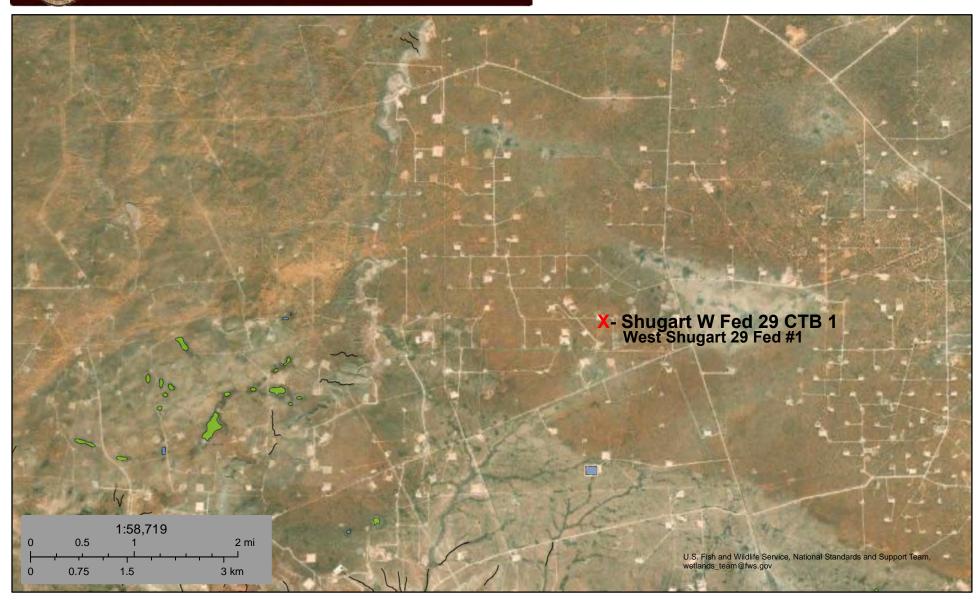


**National Water Information System: Mapper** 





# Wetlands Map



January 9, 2023

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

0.1

Riverine

Other

er

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.

OReleas 20 To Imaging: 11/19/2025 04.32:50 PM

# Received by OCD: 9/18/2025 1:56:50 PM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE)

SPECIAL FLOOD HAZARD AREAS

With BFE or Depth Zone AE, AO, AH, VE, AR

Regulatory Floodway

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

Area with Flood Risk due to Levee Zone D

**Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X

OTHER AREAS OF FLOOD HAZARD

NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

OTHER AREAS

Area of Undetermined Flood Hazard Zone D - -- - Channel, Culvert, or Storm Sewer

**GENERAL** 

STRUCTURES | LILLILL Levee, Dike, or Floodwall

20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** 

Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary

OTHER

**Coastal Transect Baseline Profile Baseline** 

**FEATURES** Hydrographic Feature

Digital Data Available

MAP PANELS

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.



2.000

1:6.000

# **APPENDIX B**

Soil Survey
Soil Map
Geologic Unit Map

# **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



Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

## **Minor Components**

## **Pajarito**

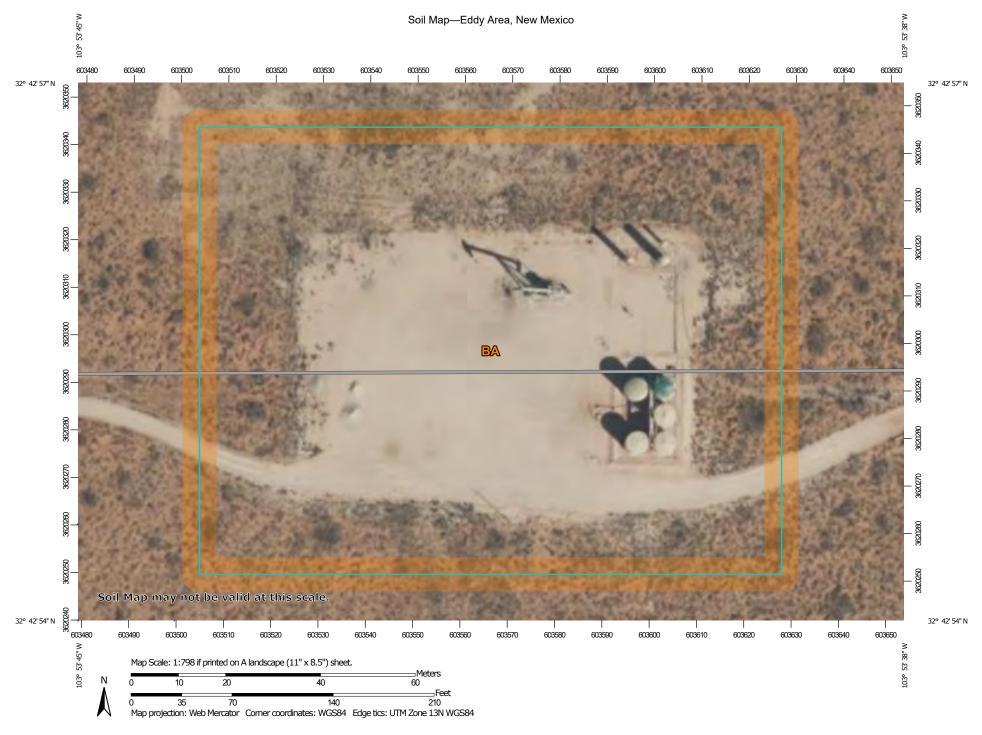
Percent of map unit: 1 percent

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



#### MAP LEGEND

â

0

Δ

Water Features

Transportation

---

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

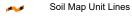
Aerial Photography

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



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

#### 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

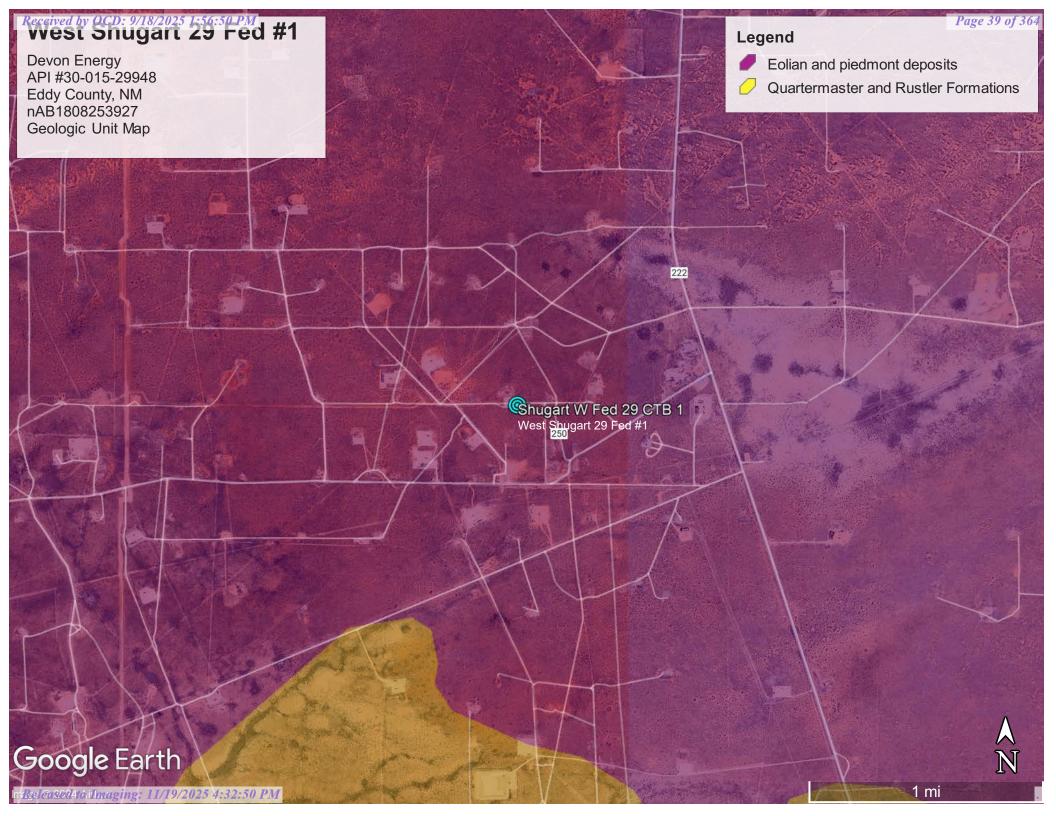
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

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.

# **Map Unit Legend**

Map Unit Symbo	Map Unit Name	Acres in AOI	Percent of AOI
ВА	Berino loamy fine sand, 0 to 3 percent slopes	2.9	100.0%
Totals for Area of Inter	rest	2.9	100.0%



# **APPENDIX C**

48-Hour Notification

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

#### QUESTIONS

Prerequisites		
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	

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

Sampling Event General Information		
Please answer all the questions in this group.		
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 <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

#### CONDITIONS

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

#### QUESTIONS

Prerequisites		
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	

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

Sampling Event General Information			
Please answer all the questions in this group.			
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:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	489982
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

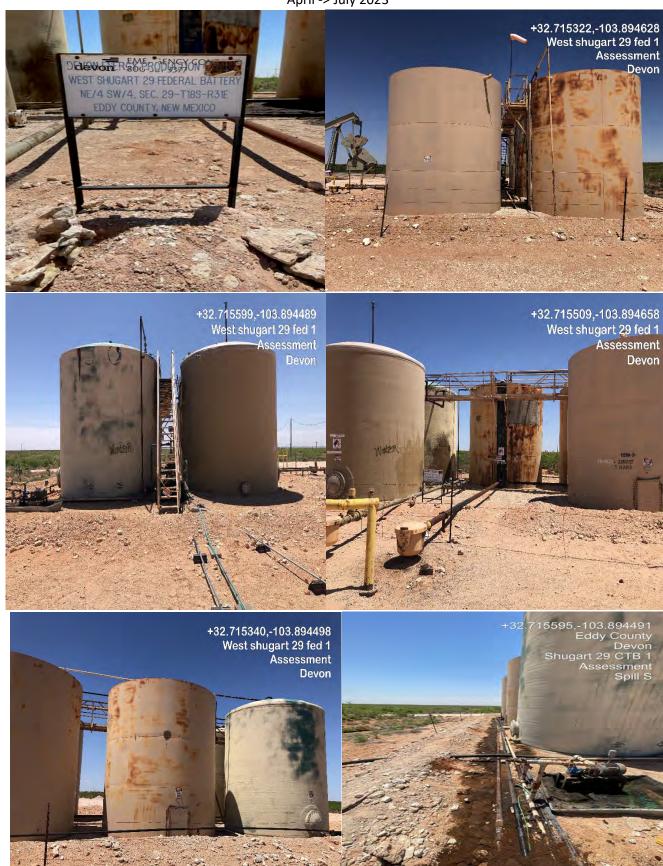
#### CONDITIONS

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

April -> July 2023







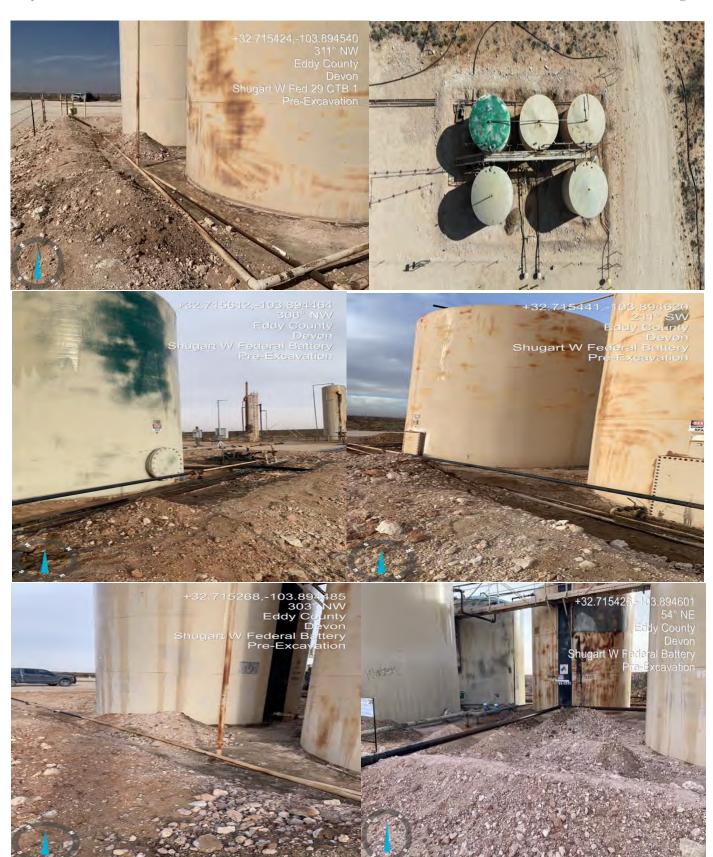
#### December 2024





























#### 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.

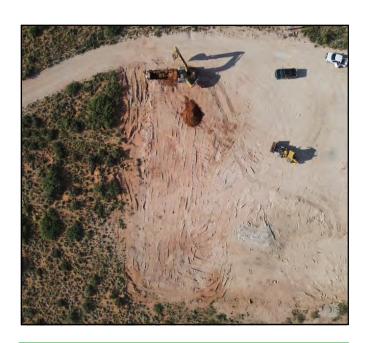




Aerial kickoff photos.



Aerial kickoff photos.



Aerial kickoff photos.



#### 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.



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

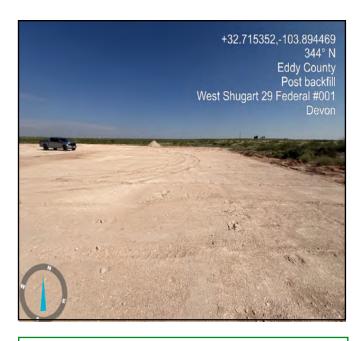
#### **Post Excavation:**



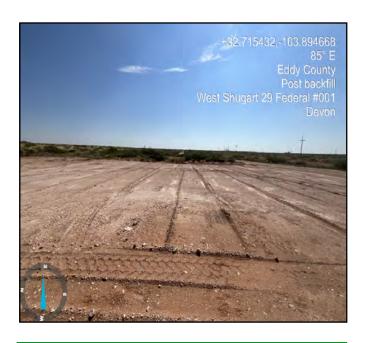
Photograph taken post excavation , facing south.



Photograph taken post excavation, facing west.



Photograph taken post excavation, facing north.



Photograph taken post excavation, facing east.



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

#### **Aerial Photos:**





Aerial post photos.

Aerial post photos.

# **APPENDIX E**

**Laboratory Reports** 

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: 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

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

Workorder: E305132

Date Received: 5/23/2023 8:15:00AM

Project Name: Shugart W Fed 29 CTB 1

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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.



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

#### S1 - 1' E305132-01

	E303132-01				
D. I.			D		N.
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	:: IY		Batch: 2321031
0.536	0.125	5	05/23/23	05/24/23	
3.73	0.125	5	05/23/23	05/24/23	
1.77	0.125	5	05/23/23	05/24/23	
4.06	0.125	5	05/23/23	05/24/23	
8.85	0.250	5	05/23/23	05/24/23	
12.9	0.125	5	05/23/23	05/24/23	
	115 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analyst	:: IY		Batch: 2321031
488	100	5	05/23/23	05/24/23	
	109 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analyst	:: KM		Batch: 2321043
20800	1250	50	05/23/23	05/24/23	
7970	2500	50	05/23/23	05/24/23	
	251 %	50-200	05/23/23	05/24/23	S5
mg/kg	mg/kg	Analyst	:: BA		Batch: 2321039
	0.536 3.73 1.77 4.06 8.85 12.9  mg/kg 488  mg/kg 20800 7970	Result         Reporting Limit           mg/kg         mg/kg           0.536         0.125           3.73         0.125           1.77         0.125           4.06         0.125           8.85         0.250           12.9         0.125           I15 %           mg/kg         mg/kg           488         100           109 %         mg/kg           mg/kg         mg/kg           20800         1250           7970         2500	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst           0.536         0.125         5           3.73         0.125         5           1.77         0.125         5           4.06         0.125         5           8.85         0.250         5           12.9         0.125         5           115%         70-130           mg/kg         mg/kg         Analyst           488         100         5           109%         70-130           mg/kg         mg/kg         Analyst           20800         1250         50           7970         2500         50           251%         50-200	Reporting Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           0.536         0.125         5         05/23/23           3.73         0.125         5         05/23/23           1.77         0.125         5         05/23/23           4.06         0.125         5         05/23/23           8.85         0.250         5         05/23/23           12.9         0.125         5         05/23/23           mg/kg         mg/kg         Analyst: IY           488         100         5         05/23/23           mg/kg         mg/kg         Analyst: KM           20800         1250         50         05/23/23           7970         2500         50         05/23/23           251 %         50-200         05/23/23	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           0.536         0.125         5         05/23/23         05/24/23           3.73         0.125         5         05/23/23         05/24/23           1.77         0.125         5         05/23/23         05/24/23           4.06         0.125         5         05/23/23         05/24/23           8.85         0.250         5         05/23/23         05/24/23           12.9         0.125         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: IY           488         100         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: KM           20800         1250         50         05/23/23         05/24/23           7970         2500         50         05/23/23         05/24/23           251 %         50-200         05/23/23         05/24/23



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

S1 - 2' E305132-02

#### Reporting Analyte Result Limit Dilution Prepared Analyzed Notes mg/kg mg/kg Analyst: IY Batch: 2321031 Volatile Organics by EPA 8021B 5 05/23/23 05/24/23 0.201 0.125 Benzene 05/24/23 5 05/23/23 Ethylbenzene 2.87 0.125 0.125 1.07 5 05/23/23 05/24/23 Toluene 5 05/23/23 05/24/23 o-Xylene 3.12 0.1257.02 5 05/23/23 05/24/23 0.250 p,m-Xylene 5 05/23/23 05/24/23 Total Xylenes 10.1 0.125116 % 05/23/23 05/24/23 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg mg/kg Analyst: IY Batch: 2321031 Nonhalogenated Organics by EPA 8015D - GRO 5 05/23/23 05/24/23 396 100 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 107 % 70-130 05/23/23 05/24/23

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		215 %	50-200	05/23/23	05/24/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2321039
Chloride	75.9	20.0	1	05/23/23	05/25/23	

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

S1 - 3' E305132-03

		1505152 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
oluene	0.914	0.125	5	05/23/23	05/24/23	
-Xylene	2.66	0.125	5	05/23/23	05/24/23	
,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	
iurrogate: 4-Bromochlorobenzene-PID		115 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	363	100	5	05/23/23	05/24/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/23/23	05/24/23	
Sonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		191 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321039
Chloride	54.9	20.0	1	05/23/23	05/25/23	



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

S1 - 4'

T205	127	$\Lambda A$
E305	132	-174

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



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

S2 - 1'

#### E305132-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2321031	
Gasoline Range Organics (C6-C10)	502	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		252 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2321039
Chloride	100	20.0	1	05/23/23	05/25/23	



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

S2 - 2'

E305132-06						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	411	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		236 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321039
Chloride	72.5	20.0	1	05/23/23	05/25/23	

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

S2 - 3'

<b>E3</b>	051	32-	-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	425	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		241 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321039
Chloride	87.2	20.0	1	05/23/23	05/25/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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S2 - 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	442	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		213 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321039
Chloride	83.1	20.0	1	05/23/23	05/25/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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S3 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	529	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		254 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321039
				05/23/23	05/25/23	



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S3 - 2'

E305132-10						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	302	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		165 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321039
Chloride	51.3	20.0	1	05/23/23	05/25/23	



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S3 - 3' E305132-11

		E303132-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allaryzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	243	40.0	2	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		116 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		184 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321039
Chloride	52.8	20.0	1	05/23/23	05/25/23	



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S3 - 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	287	40.0	2	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		187 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321039
Chloride	59.7	20.0	1	05/23/23	05/25/23	
Cinoriac	C	20.0				



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S4 - 1'

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321031
Gasoline Range Organics (C6-C10)	527	100	5	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		274 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321039
Chloride	95.5	20.0	1	05/23/23	05/25/23	



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S4 - 2'

E305132-14						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Benzene	ND	0.125	5	05/23/23	05/25/23	
Ethylbenzene	0.865	0.125	5	05/23/23	05/25/23	
Toluene	0.239	0.125	5	05/23/23	05/25/23	
o-Xylene	0.998	0.125	5	05/23/23	05/25/23	
p,m-Xylene	2.55	0.250	5	05/23/23	05/25/23	
Total Xylenes	3.55	0.125	5	05/23/23	05/25/23	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	173	100	5	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	4820	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	2070	1000	20	05/23/23	05/25/23	
Surrogate: n-Nonane		139 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321039
Chloride	26.7	20.0	1	05/23/23	05/25/23	



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S4 - 3' E305132-15

		1505152 15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2321031
Benzene	ND	0.0250	1	05/23/23	05/25/23	
Ethylbenzene	0.236	0.0250	1	05/23/23	05/25/23	
Toluene	0.0590	0.0250	1	05/23/23	05/25/23	
p-Xylene	0.343	0.0250	1	05/23/23	05/25/23	
o,m-Xylene	0.531	0.0500	1	05/23/23	05/25/23	
Total Xylenes	0.874	0.0250	1	05/23/23	05/25/23	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	22.8	20.0	1	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	4570	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	1930	1000	20	05/23/23	05/25/23	
Surrogate: n-Nonane		139 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321039
Chloride	61.2	20.0	1	05/23/23	05/25/23	



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S4 - 4'

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



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## SW1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		111 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	<del></del>



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## SW2

		E305132-18				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		114 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	



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## SW3

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		110 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321039
Chloride	ND	20.0	1	05/23/23	05/25/23	



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

## SW4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		111 %	50-200	05/23/23	05/24/23	
A L EDA 200 0/005/A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2321039
Anions by EPA 300.0/9056A	<u> </u>					



## **QC Summary Data**

		<del>QC 50</del>	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ary Dat					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		hugart W Fed 1058-0007	29 CTB 1				Reported:
Plains TX, 79355-0247		Project Manager:	Te	om Bynum				5/	26/2023 8:37:46AM
	Volatile Organics l			by EPA 802	y EPA 8021B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321031-BLK1)							Prepared: 0	5/23/23 Ana	lyzed: 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: 0	5/23/23 Ana	lyzed: 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			
o,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:	E305132-0	2	Prepared: 0	5/23/23 Ana	lyzed: 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			
o,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:	E305132-0	2	Prepared: 0	5/23/23 Ana	lyzed: 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	
p-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	



70-130

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4	5/26/2023 8:37:46AI
	Nor	nhalogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321031-BLK1)							Prepared: 0	5/23/23 An	alyzed: 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: 0	5/23/23 An	nalyzed: 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: 0	5/23/23 An	nalyzed: 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: 0	5/23/23 An	nalyzed: 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	Project Name:	Shugart W Fed 29 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 8:37:46AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5	//26/2023 8:37:46A
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321043-BLK1)							Prepared: 0	5/23/23 An	alyzed: 05/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.1		50.0		124	50-200			
LCS (2321043-BS1)							Prepared: 0	5/23/23 An	alyzed: 05/24/23
Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike (2321043-MS1)				Source:	E305132-	20	Prepared: 0	5/23/23 An	alyzed: 05/24/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike Dup (2321043-MSD1)				Source:	E305132-	20	Prepared: 0	5/23/23 An	alyzed: 05/24/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.28	20	
Surrogate: n-Nonane	55.1		50.0		110	50-200			



Chloride

## **QC Summary Data**

Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247	I	Project Name: Project Number: Project Manager	0	nugart W Fed 1058-0007 om Bynum	29 CTB 1				<b>Reported:</b> 5/26/2023 8:37:46AM
		Anions	by EPA	300.0/9056 <i>E</i>	<b>A</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321039-BLK1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
Chloride	ND	20.0							
LCS (2321039-BS1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2321039-MS1)				Source:	E305132-0	)1	Prepared: 0	5/23/23 A	nalyzed: 05/25/23
Chloride	366	20.0	250	113	101	80-120			
Matrix Spike Dup (2321039-MSD1)				Source:	E305132-0	)1	Prepared: 0	5/23/23 A	nalvzed: 05/25/23

250

20.0

80-120

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	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.



Project Information
Client: Pima Envir

Chain of Custody

		T.
Page _	1 0	of

Received by OCD: 9/18/2025 1:56:50 PM

Client: Pima Envir					ention: De Von					-	e Onl				TA		EPA Pr	ogram
Project: Shogar Project Manager:			CIRI		dress:	_	Lab	WO#	132			lumber	1D	2D	3D		CWA	SDWA
Address: 5614 N.				-	y, State, Zip	-	E	502	100			8-0007 sis and Method	1			*		RCRA
City, State, Zip Ho					none:													,,e,r,,
Phone: 580-748-1				Er	nail:		8015	8015									State	
Email: tom@pim Report due by:	aoil.con	1		Р	ima Project # 205-2		O by 8(		8021	3260	010	300.0	NN	¥		NM CO	UT AZ	TX
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by	GRO/DRO by	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	BGDOC			Remarks	
8:00 5/12/23	5	1	51-			1							x					
8:05		1	51-			2												
8:10			31 -	3'		3												
8:15			51-			4												
8:20	1		52-			5												
8:25			52-	2`		6												
8:30			52 -			7												
8:35			52 -1			8												
8.40			53-			9												
8:45	1		53-	2		10							1					
Additional Instruct	ions:				B# 21165881													
I, (field sampler), attest to date or time of collection i				ole. I am aware	that tampering with or intentionally mislabe	lling the sample	locatio	on,								eived on ice the day t <sup>o</sup> C on subsequent da	The second second	d or received
Relinquished by: (Signa	ture)	Date 5	22/23	200	Received by: (Signature)	5.22	2.29	Time	42	0	Rece	ived on ice:		ab U:	se Onl	У		
Relinquished by: (Signa	ture)	Date 5	72.23	1730	Received by: (Signature) Received by: (Signature) Cattle Mous	5-22	.23	Time	00		T1		T2			<u></u>		
Relinguished by: (Signal	Ture)	Date	-22.73	2460	Received by: (Signature)	5/23/	23	Time	5		AVG	Temp °C	+					
Sample Matrix 5 Soil, Sd	- Solid, Sg		A contract of the contract of			1	1.1	0 0	X	р - ро	oly/pla	istic, ag - ambe				-		
					hus in angero into the made. Hazardose (the the COC The liability of the laboratio								nt exp	iense.	The re	eport for the ana	lysis of the	above



ent: Pima Enviro	nment	al Services Fed. 29 CTB num	Atte	ention: De ron		Lab	WO#	La	b Us	e On Job N	ly Numb	er _	1D	2D	TAT 3D	Standard	EPA P	rogram SDWA
oject Manager: To	om Byr	num	Add	lress:		E	305	5 13	32	0/0	28-	oer 0007				X		DCDA
ldress: 5614 N. Le ty, State, Zip Hob				y, State, Zip one:	_	-			Τí	Analy	sis an	d Metho						KCKA
ione: 580-748-16	613		Em			015	015						7 - 1				State	T = 1/ 1
nail: tom@pima port due by:	oil.com	n	Pir	ma Project # 205-2		8 yd C	2 by 8	8021	260	010	300.0		N	×		NM CO	UT AZ	IX
Time Date	Matrix	No. of Containers Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	всрос			EPA PI CWA  State  UT AZ  Remarks	h i
:50 5/12/13	7	1 53	3`		11								×					
7:55		1 53			12													
1:00		54-	-1		13													
l:or		54-	2		14								1					
1:10		54.	-3`		15													
1:15		54 - 54 - 54	-4'		16													
05:1		SW	1		17													
1:25		5 W	2		18													
1:30		Sw	3		19													
:35	1	SW	4		20								1					
dditional Instructio	ns:			BH 2116588	1													
		and authenticity of this sar I fraud and may be ground		that tampering with or intentionally mislabe Sampled by:											· ·	ived on ice the day C on subsequent da		led or receive
linguished by: (Signatu	nne	5/22/23	<sup>Time</sup> 200	Received by: (Signature)	Date 5.22	.23	Time	40	5	Rece	eived	on ice:	C	ab Us	e Only	1		
linquished by: (Signatu	re)	5.22.23	1730	Received by: (Signature)	5-22	23	Time	100		<u>T1</u>			<u>T2</u>			<u>T3</u>		
Modulished by: (Signatu	re) Wdoo	Date	2400	Received by: (Signature)	5/23/	23	8	15		AVG	Tem	p°c_4	4					



Printed: 5/24/2023 3:29:32PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/23 08:1	15	Work Order ID:	E305132
Phone:	(575) 631-6977	Date Logged In:	05/22/23 16:2	23	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/26/23 17:0	00 (3 day TAT)		
Chain o	f Custody (COC)					
1. Does 1	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was th	ne COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes	_		
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments	s/Resolution
Sample '	Turn Around Time (TAT)					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Shugart W Fed 2	29 CTB 1 has been
Sample	<u>Cooler</u>				separated into 2 reports	due to sample
7. Was a	sample cooler received?		Yes		volume. Workorders are	as follows:
8. If yes,	was cooler received in good condition?		Yes		E305132 & E305133.	
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		E303132 & E303133.	
	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are minutes of sampling  visible ice, record the temperature. Actual sample to	received w/i 15	Yes			
		imperature. 4	<u>C</u>			
	Container aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers.	ers collected?	Yes			
Field La		is conceted.	103			
	e field sample labels filled out with the minimum inform	mation:				
	Sample ID?		Yes			
I	Date/Time Collected?		Yes	l		
	Collectors name?		No			
	<u>Preservation</u>					
	s the COC or field labels indicate the samples were pre-	served?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved me	tais?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase		No			
27. If ye	s, does the COC specify which phase(s) is to be analyz	æd?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA Si	ubcontract Lab	o: NA	
Client I	<u>Instruction</u>					
CHEIL	<u>iisti uction</u>					
						0

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

## Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

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labadmin@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

	Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	Reported:	
1	PO Box 247	Project Number:	01058-0007	Reporteu:	
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:49	

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.

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

## C1 - 1' E305133-01

		E303133-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatyee	resuit	Emit			7 mary 2ca	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	0.774	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	0.823	0.125	5	05/23/23	05/24/23	
p,m-Xylene	1.85	0.250	5	05/23/23	05/24/23	
Total Xylenes	2.67	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	138	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	9910	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	3900	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		127 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



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

C1 - 2'

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



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

C1 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	236	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		136 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	31.8	20.0	1	05/23/23	05/24/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

C2 - 1'

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



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

C2 - 2'

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



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

C2 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	291	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		146 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
Chloride	28.7	20.0	1	05/23/23	05/24/23	

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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C3 - 1'

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



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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C3 - 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	0.397	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	0.244	0.125	5	05/23/23	05/24/23	
p,m-Xylene	0.429	0.250	5	05/23/23	05/24/23	
Total Xylenes	0.673	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Gasoline Range Organics (C6-C10)	111	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	/kg mg/kg Analyst: KM		Batch: 2321042		
Diesel Range Organics (C10-C28)	4340	500	20	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	2700	1000	20	05/23/23	05/25/23	
Surrogate: n-Nonane		104 %	50-200	05/23/23	05/25/23	
			Analyst: BA		Batch: 2321038	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Allalys	t. D/1		Batell. 2321030



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

C3 - 3'

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

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

#### CW1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		104 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2321038



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

#### CW2

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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#### CW3

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		106 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

#### CW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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#### D1 - 1' E305133-14

		E303133-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.15	0.125	5	05/23/23	05/24/23	
Toluene	0.709	0.125	5	05/23/23	05/24/23	
o-Xylene	1.95	0.125	5	05/23/23	05/24/23	
p,m-Xylene	5.35	0.250	5	05/23/23	05/24/23	
Total Xylenes	7.30	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	278	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	9610	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	3530	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		120 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	
Chloride			1	05/23/23	05/24/23	



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D1 - 2' E305133-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•	1 11111/1244	Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	0.318	0.125	5	05/23/23	05/24/23	
Toluene	0.222	0.125	5	05/23/23	05/24/23	
o-Xylene	0.692	0.125	5	05/23/23	05/24/23	
p,m-Xylene	0.404	0.250	5	05/23/23	05/24/23	
Total Xylenes	1.10	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	5190	1250	50	05/23/23	05/24/23	_
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	

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D1 - 3' E305133-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		145 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	

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#### D1 - 4'

		E305133-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	157	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		143 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321038
Chloride	36.7	20.0	1	05/23/23	05/24/23	



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#### DW1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	20.1	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2321038
Allions by ETA 500.0/3050A						



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#### DW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
					0 = 10 = 10 0	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
	ND	109 %	50-200	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND mg/kg		50-200 Analys	05/23/23		Batch: 2321038



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#### DW3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038
	ND	20.0	-	05/23/23	05/25/23	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

#### E1 - 1' E305133-21

Damlt			n Duomono d	Analystad	Notes
Result	Limit	Dilutio	n Prepared	Anaiyzed	Notes
mg/kg	mg/kg	An	alyst: SL		Batch: 2321021
ND	0.0500	2	05/23/23	05/25/23	
0.301	0.0500	2	05/23/23	05/25/23	
ND	0.0500	2	05/23/23	05/25/23	
0.795	0.0500	2	05/23/23	05/25/23	
0.961	0.100	2	05/23/23	05/25/23	
1.76	0.0500	2	05/23/23	05/25/23	
	117 %	70-130	05/23/23	05/25/23	
	99.8 %	70-130	05/23/23	05/25/23	
	111 %	70-130	05/23/23	05/25/23	
mg/kg	mg/kg	An	alyst: SL		Batch: 2321021
208	40.0	2	05/23/23	05/25/23	
	117 %	70-130	05/23/23	05/25/23	
	99.8 %	70-130	05/23/23	05/25/23	
	111 %	70-130	05/23/23	05/25/23	
mg/kg	mg/kg	An	alyst: KM		Batch: 2321041
9370	1250	50	05/23/23	05/25/23	
3770	2500	50	05/23/23	05/25/23	
	128 %	50-200	05/23/23	05/25/23	
mg/kg	mg/kg	An	alyst: BA		Batch: 2321037
28.5	20.0	1	05/23/23	05/24/23	
	ND 0.301 ND 0.795 0.961 1.76  mg/kg 208  mg/kg 9370 3770	Result         Limit           mg/kg         mg/kg           ND         0.0500           0.301         0.0500           ND         0.0500           0.795         0.0500           0.961         0.100           1.76         0.0500           117 %         99.8 %           111 %         mg/kg           208         40.0           117 %         99.8 %           111 %         mg/kg           mg/kg         mg/kg           9370         1250           3770         2500           128 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         An           ND         0.0500         2           0.301         0.0500         2           ND         0.0500         2           0.795         0.0500         2           0.961         0.100         2           1.76         0.0500         2           117 %         70-130           99.8 %         70-130           111 %         70-130           mg/kg         mg/kg         An           111 %         70-130           mg/kg         mg/kg         An           9370         1250         50           3770         2500         50           mg/kg         mg/kg         An	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0500         2         05/23/23           0.301         0.0500         2         05/23/23           ND         0.0500         2         05/23/23           0.795         0.0500         2         05/23/23           0.961         0.100         2         05/23/23           1.76         0.0500         2         05/23/23           99.8%         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           117 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           111 %         70-130         05/23/23           1250         50         05/23/23           3770         2500         50	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0500         2         05/23/23         05/25/23           0.301         0.0500         2         05/23/23         05/25/23           ND         0.0500         2         05/23/23         05/25/23           0.795         0.0500         2         05/23/23         05/25/23           0.961         0.100         2         05/23/23         05/25/23           1.76         0.0500         2         05/23/23         05/25/23           99.8 %         70-130         05/23/23         05/25/23           111 %         70-130         05/23/23         05/25/23           mg/kg         mg/kg         Analyst: SL           208         40.0         2         05/23/23         05/25/23           117 %         70-130         05/23/23         05/25/23           117 %         70-130         05/23/23         05/25/23           111 %         70-130         05/23/23         05/25/23           111 %         70-130         05/23/23         05/25/23           111 %         70-130

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E1 - 2' E305133-22

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

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

E1 - 3' E305133-23

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

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

E1 - 4' E305133-24

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

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

#### EW1 E305133-25

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		106 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		106 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		96.3 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2321037
Chloride	ND	20.0		1	05/23/23	05/24/23	



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

#### EW2 E305133-26

	Reporting						
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 5	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	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	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	
Surrogate: n-Nonane		92.9 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	BA		Batch: 2321037

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

#### EW3 E305133-27

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		94.0 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2321037
Chloride	ND	20.0		1	05/23/23	05/24/23	



Shugart W Fed 29 CTB 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/26/2023 2:49:17PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2321021-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.519 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 0.500 101 70-130 0.500 105 70-130 Surrogate: Toluene-d8 0.525 LCS (2321021-BS1) Prepared: 05/23/23 Analyzed: 05/23/23 2.72 0.0250 2.50 109 70-130 Benzene 2.70 2.50 108 70-130 Ethylbenzene 0.0250 2.74 0.0250 2.50 110 70-130 2.94 70-130 0.0250 2.50 117 o-Xylene 5.77 5.00 115 70-130 p,m-Xylene 0.0500 8.71 0.0250 7.50 116 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 0.500 103 70-130 Surrogate: 1,2-Dichloroethane-d4 0.513 70-130 Surrogate: Toluene-d8 0.529 0.500 Matrix Spike (2321021-MS1) Source: E305129-27 Prepared: 05/23/23 Analyzed: 05/23/23 2.22 0.0250 2.50 ND 89.0 48-131 45-135 Ethylbenzene 2.19 0.0250 2.50 ND 87.6 2.22 48-130 Toluene 0.0250 2.50 ND 88.8 2.40 0.0250 2.50 ND 96.0 43-135 o-Xylene 4.70 5.00 ND 94.0 43-135 p,m-Xylene 0.0500 Total Xylenes 7.10 0.0250 7.50 ND 94.7 43-135 109 Surrogate: Bromofluorobenzene 0.546 0.500 70-130 0.510 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.524 Surrogate: Toluene-d8 Matrix Spike Dup (2321021-MSD1) Source: E305129-27 Prepared: 05/23/23 Analyzed: 05/23/23 2.50 0.0250 2.50 ND 99.8 48-131 11.5 23 0.0250 2.50 ND 45-135 12.3 27 Ethylbenzene ND 100 48-130 12.4 24 2.51 2.50 Toluene 0.0250 o-Xylene 2.69 0.0250 2.50 ND 108 43-135 11.5 27 5.00 ND 107 43-135 27 5.34 12.7 p,m-Xylene 0.0500



27

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

8.03

0.539

0.500

0.526

0.0250

7.50

0.500

0.500

0.500

ND

107

108

99.9

43-135

70-130

70-130

70-130

12.3

Shugart W Fed 29 CTB 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/26/2023 2:49:17PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2321033-BLK1) Prepared: 05/23/23 Analyzed: 05/24/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.67 8.00 95.9 70-130 LCS (2321033-BS1) Prepared: 05/23/23 Analyzed: 05/24/23 4.64 92.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.88 0.0250 5.00 97.7 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene o-Xylene 5.02 0.0250 5.00 100 70-130 9.94 10.0 99.4 70-130 0.0500 p.m-Xvlene 99.7 70-130 15.0 15.0 Total Xylenes 0.0250 8.00 98.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.90 Matrix Spike (2321033-MS1) Source: E305133-01 Prepared: 05/23/23 Analyzed: 05/24/23 23.2 0.125 25.0 ND 54-133 Benzene 0.774 61-133 Ethylbenzene 25.4 0.125 25.0 98.4 Toluene 24.9 0.125 25.0 ND 99.8 61-130 26.2 25.0 0.823 102 63-131 o-Xylene 0.125 p,m-Xylene 51.6 0.250 50.0 1.85 99.4 63-131 75.0 63-131 0.125 Total Xylenes 40.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 41.1 Matrix Spike Dup (2321033-MSD1) Source: E305133-01 Prepared: 05/23/23 Analyzed: 05/24/23 22.4 0.125 25.0 ND 89.7 54-133 3.33 20 0.774 61-133 2.84 24.7 25.0 95.6 20 Ethylbenzene 0.125 61-130 Toluene 24 1 0.125 25.0 ND 96.4 3 49 20 25.4 25.0 0.823 98.4 63-131 3.06 20 o-Xylene 0.125

50.0

75.0

40.0

0.250

0.125

1.85

2.67

96.3

97.0

98.7

63-131

63-131

70-130

3.07

3.06

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

50.0

75.4

39.5

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

Nonhalogenated Orga	nics by EPA 8015D - GRO
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Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321021-BLK1)							Prepared: 05	5/23/23 Ana	alyzed: 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	5/23/23 Ana	alyzed: 05/23/23
Gasoline Range Organics (C6-C10)	59.6	20.0	50.0		119	70-130	<u> </u>		
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	5/23/23 Ana	alyzed: 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	5/23/23 Ana	alyzed: 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			



Pima Environmental Services-CarlsbadProject Name:Shugart W Fed 29 CTB 1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/26/20232:49:17PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5/2	26/2023 2:49:17PM
	Non	halogenated		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
Blank (2321033-BLK1)							Prepared: 0	5/23/23 Ana	lyzed: 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: 0	5/23/23 Ana	lyzed: 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: 0	5/23/23 Ana	lyzed: 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: 0:	5/23/23 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		

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					5/26/2023 2:49:17PN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321041-BLK1)							Prepared: 0:	5/23/23 Ar	nalyzed: 05/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.5		50.0		89.1	50-200			
LCS (2321041-BS1)							Prepared: 0:	5/23/23 Ar	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
urrogate: n-Nonane	44.5		50.0		89.0	50-200			
Matrix Spike (2321041-MS1)				Source:	E305119-	10	Prepared: 0:	5/23/23 Ar	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
urrogate: n-Nonane	41.6		50.0		83.1	50-200			
Matrix Spike Dup (2321041-MSD1)				Source:	E305119-	10	Prepared: 0:	5/23/23 Ar	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132	0.0311	20	
urrogate: n-Nonane	42.6		50.0		85.2	50-200			



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

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					5/26/2023 2:49:17PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321042-BLK1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.8		50.0		110	50-200			
.CS (2321042-BS1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
iesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
urrogate: n-Nonane	50.8		50.0		102	50-200			
Aatrix Spike (2321042-MS1)				Source:	E305133-	13	Prepared: 0	5/23/23 A	nalyzed: 05/25/23
iesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
urrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2321042-MSD1)				Source:	E305133-	13	Prepared: 0	5/23/23 A	nalyzed: 05/25/23
riesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.838	20	
urrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2321037-MSD1)

Chloride

270

# **QC Summary Data**

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

		Anions	by EPA 3	00.0/9056	4				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: 0	5/23/23 Anal	yzed: 05/24/23
Chloride	ND	20.0							
LCS (2321037-BS1)							Prepared: 0	5/23/23 Anal	yzed: 05/24/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2321037-MS1)				Source:	E305133-	21	Prepared: 0	5/23/23 Anal	yzed: 05/24/23
Chloride	277	20.0	250	28.5	99.5	80-120			

250

20.0

Source: E305133-21

96.6

80-120

2.70

28.5

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

20

Matrix Spike Dup (2321038-MSD1)

Chloride

#### **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 2:49:17					
		Anions	by EPA	300.0/9056	1				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)									alyzed: 05/24/23			
Chloride	ND	20.0							•			
LCS (2321038-BS1)							Prepared: 0	5/23/23 An	alyzed: 05/24/23			
Chloride	255	20.0	250		102	90-110						
Matrix Spike (2321038-MS1)				Source:	E305133-0	)1	Prepared: 0	5/23/23 An	alyzed: 05/24/23			
Chloride	281	20.0	250	22.7	103	80-120						

250

20.0

Source: E305133-01

104

80-120

0.634

#### QC Summary Report Comment:

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



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

20

### **Definitions and Notes**

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
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: Shurger 1 (1) Feb. 1907B   Address:   Cliv. State, Zip   Phone:   S80-748-1613   Email:   Dima Project # 265-2   Phone:   Dima Projec	Page Sof See Only TAT EPA Program  Job Number 1D 2D 3D Standard CWA SDW  O(058-0007)  Analysis and Method RCRA  State  NM CO UT AZ TX  Remarks
Address: 5614 N. Lovington Hwy.  City, State, Zip Phone: Email: Pima Project # 265-2    City, State, Zip Phone:   Email:   City, State, Zip Phone:   City, State, Zip Phone:	Analysis and Method RCR.  State
Phone:   580-748-1613   Phone:   Fimal   Phone:   Phone:   Fimal   Phone:	State NNALCO LITERATIVE
Phone: 580-748-1613	State
Pima Project # 205-2	
9:45 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0000
9:45 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Chldride 300.00 KT TY
7:50   C1-2°   2   9:59   C1-3°   3   9:50   C2-1°   4   9:50   C2-1°   5   9:50   C2-2°   5   9:50   C2-3°   C3-2°   8   9:50   C3-3°   9   9:50   C3-3°   CW	Chldride Good Bespool
9:50   C1-2°   2   9:59   C1-3°   3   9:50   C2-1°   4   9:50   C2-1°   5   9:50   C2-2°   5   9:50   C2-3°   C3-2°   8   9:50   C3-3°   9   9:50   C3-3°   CW   Additional Instructions:	
9:59   C1-3'   3   6:00   C2-1'   4   6:00   C2-1'   5   6:00   C2-2'   5   6:00   C2-2'   5   6:10   C2-3'   6:10   C3-1'   7   6:10   C3-2'   8   6:30   C3-3'   9   6:30   CW1	
6:00   C2-1'   4	
10:05   C2-2'   5   0:10   C2-3'   6   10:15   C3-1'   7   10:20   C3-2'   8   10:75   C3-3'   9   10:30   CW1   70   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40   10:40	
10:10   C2-3'   G	<del></del>
10:10   C2-3'   G   10:15   C3-1'   7   10:20   C3-2'   8   10:75   C3-3'   9   10:30   CW1   70   Madditional Instructions:	
10:15   C3-1   7   10:20   C3-2   8   10:75   C3-3   9   10:30   CW   70   10:30   Additional Instructions:	
10:20   C3-2°   8   10:75   C3-3°   9   10:30   CW   70   Additional Instructions:	
10:30 CWI Additional Instructions: BH 21165881	
10:30 CWI Additional Instructions: BH 21165881	
10:30 CWI Additional Instructions: BH 21165881	
Additional Instructions: BH 21165881	
Additional Instructions: BH 21165881	8
	allowers and have given Materials and a second at terms and the second design and the se
, (nero sample), artest to the valuity and authenticity of this sample. Fall aware that tampering with of intentionally management,	Samples requiring thermal preservation must be received on ice the day they are sampled or rece
late or time of collection is considered fraud and may be grounds for legal action.	packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by: (Signature) Date 5/22/23 Time 200 Received by: (Signature) Date 5.22.23 Time 5.22.23 1400	Lab Use Only
	Received on ice: Ø/ N
Relinquished by: (Signature) Date 5-22/23 1730 Received by: (Signature) 5-2223 Time 5-22/23 Time	T1 T2 T3
Received by (Signature)  Date Time Received by (Signature)  Date Time	L/

C envirolect

Project	Information

Chain of Custody

	V		ec
Page _	1	of_	1

Client: Pima Env	ironmen	tal Servi	res I		_ Bi	ill To			a 19-34	La	b Us	e Onl	y		2.9		TA	Γ		EPA Pr	
Project: Shoft				Attenti	97			Lab	WO#	the party of the party of the last	Annual Comments &	Job N	luml		1D	2D	3D	Standa	ard	CWA	SDWA
Project Manager:				Addres				E3	OF	CK	5	0/05	8-1	2007	2			1	11 ac-19 5		RCRA
Address: 5614 N					ate, Zip							Analys	sis an	d Meth	od	_					KCKA
City, State, Zip H		M. 88240	)	Phone				10	10									- 15	12.00	State	
Phone: 580-748 Email: tom@pii		n		Email:				801	8015				0		-	1		NM	CO	UT AZ	TX
Report due by:	naon.coi	11		Pima	Project# 2	05-2		O by	Oby	8023	8260	0100	300		S	1		X			
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1.9	верос	верос				Remarks	
10:35-5112	5	1	Cwz				11								X						
10:40		(	CW3 EW4				12													1444	
10:45			CW4			Anna ann an	/3													and the second	
10:50	1		D1-1		in the same	- manufacture of the second of	14								11.	_					
10:55			D1-2'				15									_	;				
10:00			D1-3'				16									-					
11:05			P1-4'		Gan - War of Care		17								$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	_					
10:10			PWI				18									_					
11:15			DWZ				19								$\perp \downarrow \downarrow$						
11:20 1	1		Dw3				20								1						
Additional Instru						165 881	>							Company of the Property of the							
i, (field sampler), attest date or time of collection	to the validit	y and auther	nicity of this sample. I	am aware that gal action.	tampering with or in Sampled	ntentionally mistabeil	ng the sampl	le locat	ion,			Sample	es requ d in ice	iring therm at an avg t	emp abov	e 0 but	less than 6	°C on subse	the day	they are samp lays.	led or received
Relinquished by: (Sig		Dat	e Time	R	eceived by: (Signa	ture) /	Date	.23	Time	140		Rec	eive	d on ice		Lab I	Jse On N	ly			
Relinquished by: (Sig		Dat 5	e Time	730 R	ANDREW Signa	Mulho	5.2	2.7	3 70	300		11			<u>T2</u>			<u>T3</u>			
Telingaished by: (Signature)	ature)	80 6	1212 2 122-23 7 15-22-23 7	400 (	auth	Ma-	Date 5/23/	23	8	15	-	AVG	i Ter	np °C_	4		- 1		-		
Contract to the State of	na cultil co	Classic A	Acuremis D. Ottober				# 6.300 FEVER 18	er Tvi	3:50	glass	. 13 - 1	poly/p	lastic	, ag - al	nber g	lass, v	- VOA			1	
rester sumples are of	warded 30	التيات بالباء	esalis are reputred	unica uther	arangements are	made, Hasardous	samples wi	II be n	ciurno	d to c	lient o	or dispo	รรยย์ เ	of at the	client e	xpens	e. The	report for	the ar	alysis of th	e above
samples is applicable	only to the	isu sample:	received by the lab	oratory with I	his COC. The liabi	lity of the laborator	y is limited	to the	amou	int pai	a ror	on the	teho	L.					-		

Project	Information
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#### Chain of Custody

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Page _	2 of	

Cli t- Di	- Favi		(a) Cand		o Bill To		T		12	h Us	e Onh	1	W. 70.	1			TA	T		EPA Pr	ogram
	ma Envi				Attention: De Yon		Lah	WO#	-		Job N		oer		1D	2D	3D	Sta	ndard	CWA	SDWA
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	5614 N.				City, State, Zip		1				Analys	is an	d Met	hod							RCRA
	e, Zip Ho			)	Phone:					-										CI. I	
	80-748-				Email:		115	015			1			- 1				1	unal co	State	TX
	om@pin		n		Pima Project # 2.05°-	7	3y 8(	ογ 8(	121	09	9	0.00			Z	×		1	X CO	UT AZ	1X
Report du	ie by:				Pima Project # 203	-	ORO	ORO	3y 8C	y 82	s 60.3	de 3						-			
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	ŧΪ		BGDOC	верос		_	n	Remarks	
F1:25	5/12/23	2	1	E1-1		21									X						
11:30				E1-2		22									1						
11:35				E-1-3"		23									1					and the second second	
11:40				E1 -4		24									-						
11:45				EWI		25											:				
11:50				EWZ		26										_					
11:55	-	1	1	EW3		27									1						
Addition	al Instruc	tions:			B# 2116	5881															
i, (field sam	pler), attest t	o the validit	y and auther	nticity of this sample. I	om aware that tampering with or intentionall gal action.  Sampled by:	ly mislabelling the samp	ole loca	tion,			Sample	es requ I in ice	uiring the at an av	g tem	above	e O but	less than	6°C on	on ice the da subsequent	y they are sam days.	pled or receiv
Relinquish	ed by: (Sign	ature)	Dat	122/23 Time	Received by: (Signature)	_   Date   5.2	223	3 Time	140	00	Rec	eive	d on	ce:	(	DI.	Jse Oi N	nly			
	ed by: (Sign		Dat	Time	730 Reserved by: (Signardire) W.S.	50 5.2	2.2	37	Pa	0	T1				<u>T2</u>				<u>T3</u>		
MANA	ed by: (Ago	Mature)	Dar	5.22.23 2	Received by: (Signature)  Hildren Mys.  Received by (Signature)  Received by (Signature)  Auth Mo.	Date 5/23	123	Tim	3:15	5	AVO	5 Te	mp°(	. 4	1						
1						Contair	por Tu	mar D.	Mas	5 17 -	DOW/E	lasti	C. 3E -	amb	ergl	ass, 1	V-VOA	7	. 6 1	- wheels of the	o above
News with	mies are da	Constell 30	days aires	results are reported	unless other arrangements are made.	lazardous sumples v	vill be i	ratum	ed to	client	or disp	osed	of at t	te cli	ent ex	xpens	e. The	repor	t for the a	nalysis of th	e above
satupies is	applicable	only to the	sg sample:	received by the lab	oratory with this COC. The liability of the	laboratory is limited	to the	e amoi	int pa	aid for	on the	repo	ort.		_		-			(73)	

Printed: 5/24/2023 3:27:51PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

					V
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)	
	Custody (COC)				
	ne sample ID match the COC?	1. d COC	Yes		
	ne number of samples per sampling site location mate	in the COC	Yes		
	amples dropped off by client or carrier?	1 1 0	Yes	Carrier: <u>C</u>	<u>Courier</u>
	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes		
5. were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments/Resolution
Sample T	urn Around Time (TAT)				D 1 - G1
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Shugart W Fed 29 CTB 1 has been
Sample C	<u>Cooler</u>				separated into 2 reports due to sample
7. Was a s	sample cooler received?		Yes		volume. Workorders are as follows:
8. If yes,	was cooler received in good condition?		Yes		E305132 & E305133.
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		E303132 & E303133.
10. Were	custody/security seals present?		No		
11. If yes.	were custody/security seals intact?		NA		
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample to	received w/i 15	Yes		
Sample C		<u> </u>	<u>~</u>		
	queous VOC samples present?		No		
	OC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
	trip blank (TB) included for VOC analyses?		NA		
	on-VOC samples collected in the correct containers?		Yes		
	appropriate volume/weight or number of sample containers.	ers collected?	Yes		
Field Lat	• • • • • • • • • • • • • • • • • • • •	ons conceica.	105		
	field sample labels filled out with the minimum infor	mation.			
	ample ID?		Yes		
D	ate/Time Collected?		No		
C	ollectors name?		No		
	<u>reservation</u>				
	the COC or field labels indicate the samples were pre	eserved?	No		
	imple(s) correctly preserved?		NA		
24. Is lab	filteration required and/or requested for dissolved me	etals?	No		
	se Sample Matrix				
26. Does	the sample have more than one phase, i.e., multiphas	e?	No		
27. If yes,	does the COC specify which phase(s) is to be analyzed	zed?	NA		
Subcontr	act Laboratory				
	imples required to get sent to a subcontract laborator	y?	No		
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	o: NA
Client Ir	struction				
CHERT	istruction				

Date

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

#### Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:49

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.

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

#### C1 - 1' E305133-01

	E305133-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
ND	0.125	5	05/23/23	05/24/23	
0.774	0.125	5	05/23/23	05/24/23	
ND	0.125	5	05/23/23	05/24/23	
0.823	0.125	5	05/23/23	05/24/23	
1.85	0.250	5	05/23/23	05/24/23	
2.67	0.125	5	05/23/23	05/24/23	
	100 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
138	100	5	05/23/23	05/24/23	
	93.8 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2321042
9910	1250	50	05/23/23	05/24/23	
3900	2500	50	05/23/23	05/24/23	
	127 %	50-200	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
22.7	20.0	1	05/23/23	05/24/23	
	mg/kg ND 0.774 ND 0.823 1.85 2.67  mg/kg 138  mg/kg 9910 3900	Result         Reporting Limit           mg/kg         mg/kg           ND         0.125           0.774         0.125           ND         0.125           0.823         0.125           1.85         0.250           2.67         0.125           100 %           mg/kg         mg/kg           138         100           93.8 %         mg/kg           mg/kg         mg/kg           9910         1250           3900         2500           127 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.125         5           0.774         0.125         5           ND         0.125         5           0.823         0.125         5           1.85         0.250         5           2.67         0.125         5           100%         70-130           mg/kg         mg/kg         Analys           93.8 %         70-130           mg/kg         mg/kg         Analys           9910         1250         50           3900         2500         50           mg/kg         mg/kg         Analys	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Mg/kg         Analyst: SL           ND         0.125         5         05/23/23           0.774         0.125         5         05/23/23           ND         0.125         5         05/23/23           0.823         0.125         5         05/23/23           1.85         0.250         5         05/23/23           2.67         0.125         5         05/23/23           mg/kg         mg/kg         Analyst: SL           138         100         5         05/23/23           mg/kg         mg/kg         Analyst: KM           9910         1250         50         05/23/23           3900         2500         50         05/23/23           mg/kg         mg/kg         Analyst: BA	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.125         5         05/23/23         05/24/23           0.774         0.125         5         05/23/23         05/24/23           ND         0.125         5         05/23/23         05/24/23           0.823         0.125         5         05/23/23         05/24/23           1.85         0.250         5         05/23/23         05/24/23           2.67         0.125         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: SL           138         100         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: KM           9910         1250         50         05/23/23         05/24/23           3900         2500         50         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: KM



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

C1 - 2'

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



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

C1 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	236	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		136 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	31.8	20.0	1	05/23/23	05/24/23	



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

C2 - 1'

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



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

C2 - 2'

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



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

C2 - 3'

		ъ .:				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	291	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		146 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
·	28.7			05/23/23	05/24/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

C3 - 1'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
ND	0.0500	2	05/23/23	05/24/23	
0.814	0.0500	2	05/23/23	05/24/23	
0.266	0.0500	2	05/23/23	05/24/23	
0.718	0.0500	2	05/23/23	05/24/23	
1.87	0.100	2	05/23/23	05/24/23	
2.58	0.0500	2	05/23/23	05/24/23	
	103 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
118	40.0	2	05/23/23	05/24/23	
	96.3 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
9090	1250	50	05/23/23	05/24/23	
3570	2500	50	05/23/23	05/24/23	
	112 %	50-200	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
22.5	20.0	1	05/23/23	05/24/23	
	mg/kg  ND 0.814 0.266 0.718 1.87 2.58  mg/kg 118  mg/kg 9090 3570	Result         Limit           mg/kg         mg/kg           ND         0.0500           0.814         0.0500           0.266         0.0500           0.718         0.0500           1.87         0.100           2.58         0.0500           103 %           mg/kg         mg/kg           118         40.0           96.3 %         mg/kg           9990         1250           3570         2500           112 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0500         2           0.814         0.0500         2           0.266         0.0500         2           0.718         0.0500         2           1.87         0.100         2           2.58         0.0500         2           103 %         70-130           mg/kg         mg/kg         Analys           96.3 %         70-130           mg/kg         mg/kg         Analys           9090         1250         50           3570         2500         50           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0500         2         05/23/23           0.814         0.0500         2         05/23/23           0.266         0.0500         2         05/23/23           0.718         0.0500         2         05/23/23           1.87         0.100         2         05/23/23           2.58         0.0500         2         05/23/23           mg/kg         mg/kg         Analyst: SL           118         40.0         2         05/23/23           mg/kg         mg/kg         Analyst: KM           9090         1250         50         05/23/23           3570         2500         50         05/23/23           mg/kg         mg/kg         Analyst: BA	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0500         2         05/23/23         05/24/23           0.814         0.0500         2         05/23/23         05/24/23           0.266         0.0500         2         05/23/23         05/24/23           0.718         0.0500         2         05/23/23         05/24/23           1.87         0.100         2         05/23/23         05/24/23           2.58         0.0500         2         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: SL           118         40.0         2         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: KM           9090         1250         50         05/23/23         05/24/23           3570         2500         50         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: BA



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

C3 - 2'

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



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

C3 - 3'

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



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

#### CW1

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		104 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Pima Environmental Services-Carlsba	d Project Name:	Shugart W Fed 29 CTB 1	
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#### CW2

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		102 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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#### CW3

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	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	
Surrogate: n-Nonane		106 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	<del></del>



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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#### CW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/24/23	
			A	alverte DA		Batch: 2321038
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321036



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#### D1 - 1' E305133-14

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
ND	0.125	5	05/23/23	05/24/23	
2.15	0.125	5	05/23/23	05/24/23	
0.709	0.125	5	05/23/23	05/24/23	
1.95	0.125	5	05/23/23	05/24/23	
5.35	0.250	5	05/23/23	05/24/23	
7.30	0.125	5	05/23/23	05/24/23	
	104 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
278	100	5	05/23/23	05/24/23	
	96.0 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
9610	1250	50	05/23/23	05/24/23	
3530	2500	50	05/23/23	05/24/23	
	120 %	50-200	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
22.7	20.0	1	05/23/23	05/24/23	·
	mg/kg ND 2.15 0.709 1.95 5.35 7.30 mg/kg 278 mg/kg 9610 3530	Result         Limit           mg/kg         mg/kg           ND         0.125           2.15         0.125           0.709         0.125           1.95         0.125           5.35         0.250           7.30         0.125           104 %           mg/kg         mg/kg           278         100           96.0 %         mg/kg           mg/kg         mg/kg           9610         1250           3530         2500           120 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analys           ND         0.125         5           2.15         0.125         5           0.709         0.125         5           1.95         0.125         5           5.35         0.250         5           7.30         0.125         5           104 %         70-130           mg/kg         mg/kg         Analys           278         100         5           96.0 %         70-130         mg/kg           mg/kg         mg/kg         Analys           9610         1250         50           3530         2500         50           120 %         50-200           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.125         5         05/23/23           2.15         0.125         5         05/23/23           0.709         0.125         5         05/23/23           1.95         0.125         5         05/23/23           5.35         0.250         5         05/23/23           7.30         0.125         5         05/23/23           mg/kg         mg/kg         Analyst: SL           278         100         5         05/23/23           mg/kg         mg/kg         Analyst: KM           9610         1250         50         05/23/23           3530         2500         50         05/23/23           mg/kg         mg/kg         Analyst: BA	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.125         5         05/23/23         05/24/23           2.15         0.125         5         05/23/23         05/24/23           0.709         0.125         5         05/23/23         05/24/23           1.95         0.125         5         05/23/23         05/24/23           5.35         0.250         5         05/23/23         05/24/23           7.30         0.125         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: SL           278         100         5         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: KM           9610         1250         50         05/23/23         05/24/23           mg/kg         50         05/23/23         05/24/23           120 %         50-200         05/23/23         05/24/23           mg/kg         mg/kg         Analyst: BA



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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D1 - 2' E305133-15

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



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D1 - 3' E305133-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		145 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

### D1 - 4'

		E305133-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	157	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		143 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	36.7	20.0	1	05/23/23	05/24/23	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

#### DW1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	20.1	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038
Allions by ETA 500:0/7050A						



Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2023 2:49:17PM

#### DW2

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



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

### DW3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		106 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/25/23	



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

E1 - 1' E305133-21

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

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

E1 - 2' E305133-22

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



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

E1 - 3' E305133-23

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

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

E1 - 4' E305133-24

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

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

#### EW1 E305133-25

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/23	05/24/23	
Surrogate: Toluene-d8		106 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		96.3 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



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

#### EW2 E305133-26

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 5	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	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	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	
Surrogate: n-Nonane		92.9 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	BA		Batch: 2321037

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

#### EW3 E305133-27

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23	
Surrogate: Toluene-d8		108 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		94.0 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2321037
Chloride	ND	20.0		1	05/23/23	05/24/23	



Shugart W Fed 29 CTB 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/26/2023 2:49:17PM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2321021-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.519 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 0.500 101 70-130 0.500 105 70-130 Surrogate: Toluene-d8 0.525 LCS (2321021-BS1) Prepared: 05/23/23 Analyzed: 05/23/23 2.72 0.0250 2.50 109 70-130 Benzene 2.70 2.50 108 70-130 Ethylbenzene 0.0250 2.74 0.0250 2.50 110 70-130 2.94 70-130 0.0250 2.50 117 o-Xylene 5.77 5.00 115 70-130 p,m-Xylene 0.0500 8.71 0.0250 7.50 116 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 0.500 103 70-130 Surrogate: 1,2-Dichloroethane-d4 0.513 70-130 Surrogate: Toluene-d8 0.529 0.500 Matrix Spike (2321021-MS1) Source: E305129-27 Prepared: 05/23/23 Analyzed: 05/23/23 2.22 0.0250 2.50 ND 89.0 48-131 45-135 Ethylbenzene 2.19 0.0250 2.50 ND 87.6 2.22 48-130 Toluene 0.0250 2.50 ND 88.8 2.40 0.0250 2.50 ND 96.0 43-135 o-Xylene 4.70 5.00 ND 94.0 43-135 p,m-Xylene 0.0500 Total Xylenes 7.10 0.0250 7.50 ND 94.7 43-135 109 Surrogate: Bromofluorobenzene 0.546 0.500 70-130 0.510 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.524 Surrogate: Toluene-d8 Matrix Spike Dup (2321021-MSD1) Source: E305129-27 Prepared: 05/23/23 Analyzed: 05/23/23 2.50 0.0250 2.50 ND 99.8 48-131 11.5 23 2.50 ND 45-135 12.3 27

0.0250

0.0250

0.0250

0.0500

0.0250

2.51

2.69

5.34

8.03

0.539

0.500

0.526



ND

ND

ND

ND

2.50

2.50

5.00

7.50

0.500

0.500

0.500

100

108

107

107

108

99.9

48-130

43-135

43-135

43-135

70-130

70-130

70-130

12.4

11.5

12.7

12.3

24

27

27

27

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

p,m-Xylene

Total Xylenes

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2321033-MSD1)

#### **QC Summary Data**

Shugart W Fed 29 CTB 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/26/2023 2:49:17PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2321033-BLK1) Prepared: 05/23/23 Analyzed: 05/24/23 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.64 5.00 92.8 70-130 Benzene 0.0250 Ethylbenzene 4.88 0.0250 5.00 97.7 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 5.02 o-Xylene 0.0250 5.00 100 70-130 9.94 10.0 99.4 70-130 0.0500 p.m-Xvlene 99.7 70-130 15.0 0.0250 15.0 Total Xylenes 8.00 98.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.90 Matrix Spike (2321033-MS1) Source: E305133-01 Prepared: 05/23/23 Analyzed: 05/24/23 23.2 0.125 25.0 ND 92.7 54-133 Benzene 0.774 61-133 Ethylbenzene 25.4 0.125 25.0 98.4 Toluene 24.9 0.125 25.0 ND 99.8 61-130 26.2 25.0 0.823 102 63-131 0.125 o-Xylene

51.6

41.1

22.4

24.7

24 1

25.4

50.0

75.4

39.5

0.250

0.125

0.125

0.125

0.125

0.125

0.250

0.125

50.0

75.0

40.0

25.0

25.0

25.0

25.0

50.0

75.0

40.0

1.85

ND

0.774

ND

0.823

1.85

2.67

99.4

89.7

95.6

96.4

98.4

96.3

97.0

98.7

Source: E305133-01

63-131

63-131

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

3.33

2.84

3 49

3.06

3.07

3.06

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

20

20

20

20

20

20

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

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321021-BLK1)							Prepared: 0:	5/23/23 Analy	zed: 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: 0:	5/23/23 Analy	zed: 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:	Source: E305129-27			5/23/23 Analy	zed: 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: 0:	5/23/23 Analy	zed: 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			



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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5	/26/2023 2:49:17PM		
	Non	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		
Blank (2321033-BLK1)							Prepared: 0:	5/23/23 Ana	alyzed: 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: 0:	5/23/23 Ana	alyzed: 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: 05/24/2				
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: 0:	5/23/23 Ana	alyzed: 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					

Pima Environmental Services-CarlsbadProject Name:Shugart W Fed 29 CTB 1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/26/2023 2:49:17PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					5/26/2023 2:49:17PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321041-BLK1)							Prepared: 0:	5/23/23 A	nalyzed: 05/24/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.5		50.0		89.1	50-200			
.CS (2321041-BS1)							Prepared: 0	5/23/23 A	analyzed: 05/25/23
riesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
urrogate: n-Nonane	44.5		50.0		89.0	50-200			
<b>Matrix Spike (2321041-MS1)</b>				Source:	Source: E305119-10			5/23/23 A	analyzed: 05/25/23
riesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
urrogate: n-Nonane	41.6		50.0		83.1	50-200			
Matrix Spike Dup (2321041-MSD1)				Source:	E305119-1	10	Prepared: 0	5/23/23 A	analyzed: 05/25/23
tiesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132	0.0311	20	
urrogate: n-Nonane	42.6		50.0		85.2	50-200			



Pima Environmental Services-CarlsbadProject Name:Shugart W Fed 29 CTB 1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/26/20232:49:17PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					5/26/2023 2:49:17PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321042-BLK1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.8		50.0		110	50-200			
.CS (2321042-BS1)							Prepared: 0	5/23/23 A	nalyzed: 05/25/23
riesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
urrogate: n-Nonane	50.8		50.0		102	50-200			
<b>Matrix Spike (2321042-MS1)</b>				Source:	Source: E305133-13			5/23/23 A	nalyzed: 05/25/23
riesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
urrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2321042-MSD1)				Source:	E305133-	13	Prepared: 0	5/23/23 A	nalyzed: 05/25/23
tiesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.838	20	
urrogate: n-Nonane	52.4		50.0		105	50-200			

Chloride

## **QC Summary Data**

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

Plains 1A, /9353-024/		Project Manager	r: 10	m Bynum					3/20/2023 2:49:17PN	л	
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: 0	5/23/23 A	Analyzed: 05/24/23		
Chloride	ND	20.0									
LCS (2321037-BS1)							Prepared: 0	5/23/23 A	Analyzed: 05/24/23		
Chloride	248	20.0	250		99.3	90-110					
Matrix Spike (2321037-MS1)				Source:	Source: E305133-21			5/23/23 A	Analyzed: 05/24/23		
Chloride	277	20.0	250	28.5	99.5	80-120					
Matrix Spike Dup (2321037-MSD1)				Source: E305133-21 Prepar				5/23/23 A	Analyzed: 05/24/23		

250

20.0

28.5

96.6

80-120

2.70

270



Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		hugart W Fed 1058-0007	29 CTB 1				Repo	rted:
Plains TX, 79355-0247		Project Manager:		om Bynum					5/26/2023	2:49:17PM
		Anions 1	by EPA	300.0/9056	1				Analyst:	BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	:	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	N	Votes
Blank (2321038-BLK1)							Prepared: 0	5/23/23	Analyzed: 0:	5/24/23
Chloride	ND	20.0								
LCS (2321038-BS1)							Prepared: 0	5/23/23	Analyzed: 0:	5/24/23
Chloride	255	20.0	250		102	90-110				
Matrix Spike (2321038-MS1)				Source:	E305133-0	1	Prepared: 0	5/23/23	Analyzed: 0:	5/24/23
Chloride	281	20.0	250	22.7	103	80-120				
Matrix Spike Dup (2321038-MSD1)				Source:	E305133-0	1	Prepared: 0	5/23/23	Analyzed: 0:	5/24/23
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	Reported:
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

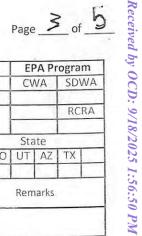
Note (1): Methods marked with \*\* are non-accredited methods.

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



Project Information

Chain of Cu
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Client: Pima E	Enviror	ment	al Servi	ces			Bill To				La	ab Us	e On	ly				TA	T		EPA Pr	ogram
Project: Sho	sant	W	Fed.	19CTB1	At	ention:	De Von		Lab	WO#			Job N				2D	3D	Stand	lard	CWA	SDWA
Project Manag					Ac	dress:			EZ	305	18	3	010	58-	0007				t			1
Address: 5614					Cit	y, State, Zip									nd Metho							RCRA
City, State, Zip	Hobb	s. NN	1. 88240	)	Pł	ione:																
Phone: 580-7	48-16	13	(X - 1 X - 1 X		Er	nail:			8015	8015						1	1				State	
Email: tom@	pimac	oil.con	1			D.	1 760 2		0y 80		21	Q	0	0.0		NN			NV	1 CO	UT AZ	TX
Report due by:					P	ma Project	# 205-2		ROP	RO t	y 80	826	601	le 30			×		x			
Time Date Sampled Samp	1 0	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	
9:45 5/12	123	5	1	C1-1				1								X						
9:50			1	C1-	.2.			2								1						
9:59				CI-				3														
16:00				C2-1	'			4														
10:05				C2-				5														
10:10				C2-	3'	and the second		6														
10:15				C3-	1			7														
10:20				C3-				8														
10:75				C3-				9														
10:30			1	CW	1	HARDEST WORLD LAW CO.	per entre de la constitue de l	10								1						
Additional Inst	truction	ns:				B±	21165881															
I, (field sampler), att							ith or intentionally mislab mpled by:	elling the sampl	e locati	on,					iring therma at an avg ter							ed or received
Relinquished by: (	Signaturi P	dan	ne S	122/23	Time 200		(Signature)	Date 5.22	23	Time	In	0	Rece	eivec	d on ice:	6	Lab U	se On	ly			
Relinquished by: (	Signatur	e	Date 5	22/23	1730	Received by:	(Signature)	5-23	1-23	Time	200		T1			T2		-74040474	<u>T3</u>			
Relinquished by: (	Signatur	e)	Day	-22-23	2,400	Received by	(Signature) (Signature) (Signature)	5/23/	23	Time	:15	-	1	Ten	np °C	4						
P. C. C.	11 57 0	1015	er to a	American D. Di	- 700	000		Contradios	-		plass	2 0			ag om	ber gla	ass, v	- VOA				
î.,	4: 4	I an I	- 30	1	10		0 0 0		0.1			Cr. Cr.	1.		1818		pr s	Th	orad fe	Dis and	ly is of the	above
				3 3 7		J 1985	we can see the	1.00-12														

C envirolect

Project	Information
Project	Information

Chain of Custody

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Page _	1	of_	2

Client: Pima En	vironmen	tal Servi	res I			Bill To	-		a feet	La	b Us	e Onl	y		2.9		TA	Γ		EPA Pr	
Project: Shog				Atte	ntion: De	ron		Lab	WO#	and the second second second	-	Job N	luml		1D	2D	3D	Stand	lard	CWA	SDWA
Project Manager:				Addr	AUTO-CONTROL OF THE PARTY OF TH			E3	SOE	51	5	0/05	8-1	0007	2			1			RCRA
Address: 5614 N					State, Zip							Analys	is an	nd Meth	od			_			RCRA
City, State, Zip F		M. 88240	)	Pho				10	10										d 13/11	State	
Phone: 580-748 Email: tom@pi		m		Ema				801	8015				0		-	1		NN	vi co	UT AZ	TX
Report due by:	maon.co	111		Pim	a Project#	205-2		O by	Oby	8023	8260	9010	300		S	1		X			
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	-14	верос	верос				Remarks	
10:35-5112/2	35		CWZ				11								X						
10:40		1	CW3				12								-						
10:45			CW3 CW4		III.		13													love & SUARGE	and day (de la )
10:50			D1-1				14														
10:55			D1-2'				15										;				
10:00			D1-3'				16								2000						
11:05			D1-4°				17													nia ni	
10:10			PWI				18														rain officers and a
11:15			DWZ				19														
11:20 1	1		Dw3				20								1						
Additional Instru	uctions:				But 2	1165 881		í													
i, (field sampler), attes	t to the validit	y and auther	nticity of this sample. I	am aware t	hat tampering with Samp	or intentionally mislabe	fling the samp	le locat	tion,			Sample	es requ d in ice	airing therm at an avg t	al preser emp abov	vation r ve 0 but	less than 6	ceived on ic o'C on sub	sequent d	they are samp ays.	led or received
Relinquished by: (Sig		Dat	e Time	20	Received by: (Si	gnature) /	Date	. 23	Time	140		Rec	eive	d on ice		Lab I	Jse On N	ly			
Relinquished by: (Si		Dat	te Time	730	Received by: (Si	gnature) Mulho	5.2	2.7	3 Time	Z00		11						I	3		
Telipopished by: (Si	MA MA	80 6	12.737	400	Received by: Si	grature)  Multo ignature)  Ma	Date 5/23/	23	7 Time	15		AVO	i Ter	mp °C_	4						
Control of the land of the	the could be	a classic A	Aguagas B. Other				1.0001103191	erTv	3:50	glass	. 13 -	poly/p	lastic	c, ag - at	nber g	lass, v	- VOA				
Overtee Samples area	Faurtled 30	days elect	resalis are reported	النابا مصاديها	er arrangements	are made. Hazardos	۷۷ معامرسته د	ill be r	elurm	ed to o	lient.	or dispo	usud i	of at the	client e	xpens	e. The	report fo	or the ar	alysis of the	e above
samples is applicable	ic only to the	ose sample:	received by the lab	oratory wi	th this COC. The l	iability of the laborat	pry is limited	to the	amou	ınt pai	id for	on the	repo	rt.							

Project	Information
Project	illiormation

Chain of Custody

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Page _	$\geq_{\text{of}}$	7 8

Client: P	ma Envi	ronmon	fol Convi	000		o Bill To				La	b Us	e Only	V	A . 1				TA	T		EPA Pr	ogram
Project:					Attention:	Deron		Lab	WO#	with the same		Job N	uml			LD	2D	3D	Sta	ndard	CWA	SDWA
Project M					Address:			E3	W0#	13	3	CIOS	8-1	200	Que.					X		
Address:					City, State, Zip	)						Analys	is an	d Met	hod							RCRA
City, State					Phone:						7-7										Ctata	
Phone: 5					Email:			315	015						- 1	1	1		-	on I co	State UT AZ	TX
Email: 1	om@pin	naoil.cor	n		Diseas Design	t# 2.05=-2		by 8(	by 8(	121	09	9	0.00			MN	×		1	× VIVI	OT AZ.	17
Report di	ue by:				Pima Projec	1# LUS C	1 2 10	ORO	ORO	3y 8C	y 82	s 603	de 3						+			
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	şî .		BGDOC	верос		1		Remarks	
F1:25	Flizz	2	)	E1-1			21									X						
11:30	Th trumpont TS			E1-2"			22															
11:35				E-1-3"		Western and	23									1						
11:40				E1 -4			24									1						
11:45				EWI			25											;				
11:50				EWZ			26															
11:55		-	1	EW3			27									1	_					
Addition	al Instruc	ctions:	1		3	B# 21165	881															
i, (field sam	pler), attest t	o the validit	y and auther	nticity of this sample.		ng with or intentionally misla Sampled by:	•	ole loca	tion,			Sample	es requ d in ice	uiring the at an av	g temp	above	ation m	ust be re less than	6°C on	on ice the da subsequent	y they are sam days.	pled or received
Relinquish	ed by: (Sign	ature)	Dat	127/23 Time	00 Received	by: (Signature)	Date 5.2	223	Time	140	00	Rec	eive	d on i	ce:	6	D/ 1	Jse Or N	100			
	ed by: (Sign		Dat	te Time	730 Regerved	by: (Signature)	5.2	2.2	37	ga	0	T1		ry.		<u>T2</u>				<u>T3</u>		
NACA	ed by: (Ago	Mure)	Day	5.22.23 2	400 Regived	by: (Signature) WSSO by (Signature) Than	5/23	123	Tim	3:15	5	AVO	3 Te	mp °C	: 4	1						
1			W 1	A COUNTY OF THE COUNTY			(Contain	DE TO	mar D.	MIRK	5. 10 -	DOWNE	lasti	c, ag	amb	er gla	ass, v	- VOA	1		-1.7.63	- Land
Chierra will	mies are da	Consiett 30	days alrea	remits are reported	unless other unreliger	nents are made. Hexard	יין באולקיווטר בעט	ill be r	distri	ed to	dient	ar disp	osed	of at ti	te clie	mi ex	pense	e. The	repor	t for the a	nalysis of th	e above
sotopies i	applicable	only to the	sg sample:	received by the lab	oratory with this COC	. The liability of the labor	atory is limited	to the	e amoi	unt pa	nid for	on the	repo	rt.				-			for .	E

Printed: 5/24/2023 3:27:51PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

we receive	no response concerning these items within 24 hours of t	ne date of this noti	ce, un the s	ampies will be une	nyzea as requestea.	
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 Ma	ars
Email:	tom@pimaoil.com	Due Date:	05/26/23	17:00 (3 day TAT)		
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC)  The sample ID match the COC?  The number of samples per sampling site location management of the complete of the complete of the complete of the complete, i.e., signatures, dates/times, request samples received within holding time?		Yes Yes Yes Yes	Carrier: <u>C</u>	<u>'ourier</u>	
3. Word a.	Note: Analysis, such as pH which should be conducted in		103		Comments/Resolution	o <b>n</b>
С1- Л	i.e, 15 minute hold time, are not included in this disucssion.	on.		1	Comments/ Resolution	<u> </u>
	COC indicate standard TAT, or Expedited TAT?		Yes		Project Shugart W Fed 29 CTB	1 has been
	•		105		separated into 2 reports due to s	
Sample C	cample cooler received?		Yes		volume. Workorders are as follo	-
	was cooler received in good condition?		Yes			ows:
• .	e sample(s) received intact, i.e., not broken?		Yes		E305132 & E305133.	
	custody/security seals present?					
	were custody/security seals intact?		No			
	•	:	NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling /isible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 1	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	7	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		No			
	ollectors name?		No			
	' <u>reservation</u> the COC or field labels indicate the samples were p	reserved?	No			
	imple(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
	act Laboratory					
	act Laboratory  Imples required to get sent to a subcontract laborato	ens?	No			
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	· NA	
	• • •	i so who:	1421	Subcontract Lat	, IVA	
Client Ir	<u>struction</u>					
						<u>۸</u>

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

## Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

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Rayny Hagan

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	Donoutode
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/07/23 15:22

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.



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

### S1 - 6' E306002-01

		E300002-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/01/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		100 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S1 - 7'

	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	94.7 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	A	nalyst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	92.7 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2322051
ND	25.0	1	06/02/23	06/03/23	
ND	50.0	1	06/02/23	06/03/23	
	99.9 %	50-200	06/02/23	06/03/23	
mg/kg	mg/kg	A	nalyst: BA		Batch: 2323005
ND	20.0	1	06/05/23	06/05/23	
	mg/kg ND Mg/kg ND  mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           94.7 %         mg/kg           MD         20.0           92.7 %         mg/kg           MD         25.0           ND         50.0           99.9 %         mg/kg           mg/kg         mg/kg	Result         Limit         Diluti           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         A           ND         20.0         1           Mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           Mg/kg         mg/kg         50-200           mg/kg         mg/kg         A	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0500         1         06/01/23           ND         0.0250         1         06/01/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/02/23           ND         50.0         1         06/02/23           ND	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0500         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL         ND         06/02/23           Mg/kg         mg/kg         Analyst: JL         ND         25.0         1         06/02/23         06/03/23           ND         25.0         1         06/02/23         06/03/23         06/03/23           ND         50.0         1         06/02/23         06/03/23           ND         50.0         1         06/02/23         06/03/23 <tr< td=""></tr<>



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

S2 - 7'

	ъ .				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	93.9 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	92.7 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2322051
ND	25.0	1	06/02/23	06/06/23	
ND	50.0	1	06/02/23	06/06/23	
	103 %	50-200	06/02/23	06/06/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
ND	20.0		06/05/23	06/05/23	
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           93.9 %         mg/kg           MD         20.0           92.7 %         mg/kg           MD         25.0           ND         50.0           103 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           103 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0500         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/02/23           ND         50.0         1         06/02/23           ND         50.0         1         06/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0500         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL         ND         06/02/23           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         06/02/23         06/06/23           ND         25.0         1         06/02/23         06/06/23         06/06/23           ND         50.0         1         06/02/23         06/06/23           ND         50.0         1         06/02/23         06/06/23



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

S2 - 8'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		97.8 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S3 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		101 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S3 - 8'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		98.6 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



Chloride

# **Sample Data**

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

S4 - 6'

		E306002-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		118 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2323005

20.0

ND

06/05/23

06/05/23



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

S4 - 7'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		97.5 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



## **QC Summary Data**

West Shugart 29 Fed. #001 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 6/7/2023 3:22:28PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2322039-BLK1) Prepared: 06/01/23 Analyzed: 06/01/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.3 70-130 LCS (2322039-BS1) Prepared: 06/01/23 Analyzed: 06/01/23 4.94 98.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.92 0.0250 5.00 98.5 70-130 5.05 0.0250 5.00 101 70-130 Toluene o-Xylene 5.01 0.0250 5.00 100 70-130 10.0 10.0 100 70-130 0.0500 p.m-Xvlene 100 70-130 15.0 15.0 Total Xylenes 0.0250 8.00 95.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 Matrix Spike (2322039-MS1) Source: E306001-02 Prepared: 06/01/23 Analyzed: 06/01/23 4.21 0.0250 5.00 ND 84.1 54-133 Benzene ND 61-133 Ethylbenzene 4.19 0.0250 5.00 83.8 Toluene 4.31 0.0250 5.00 ND 86.1 61-130 4.27 ND 85.4 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.54 0.0500 10.0 ND 85.4 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.55 8.00 Matrix Spike Dup (2322039-MSD1) Source: E306001-02 Prepared: 06/01/23 Analyzed: 06/01/23 5.05 0.0250 5.00 ND 54-133 18.2 20 ND 61-133 5.03 0.0250 5.00 101 18.3 20 Ethylbenzene 61-130 Toluene 5.16 0.0250 5.00 ND 103 18.1 20 5.14 5.00 ND 103 63-131 18.4 20 o-Xylene 0.0250 10.2 10.0 ND 102 63-131 18.0 20 p,m-Xylene 0.0500



15.4

7.47

0.0250

15.0

8.00

ND

102

93.4

63-131

70-130

18.1

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

West Shugart 29 Fed. #001 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				6/	7/2023 3:22:28PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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
Blank (2322039-BLK1)							Prepared: 0	6/01/23 Ana	lyzed: 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: 0	6/01/23 Ana	lyzed: 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: 0	6/01/23 Ana	lyzed: 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: 0	6/01/23 Ana	lyzed: 06/01/23
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	7.19	20	

8.00

93.3

70-130

7.46

## **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:West Shugart 29 Fed. #001Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/7/20233:22:28PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/7/2023 3:22:28PM
Nonhalogenated Organics by EPA 8015D - DRO/ORO  Analyst: JL									Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322051-BLK1)							Prepared: 0	6/02/23 A	analyzed: 06/02/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.9	50-200			
LCS (2322051-BS1)							Prepared: 0	6/02/23 A	analyzed: 06/02/23
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
urrogate: n-Nonane	47.6		50.0		95.2	50-200			
Matrix Spike (2322051-MS1)				Source:	E306001-0	01	Prepared: 0	6/02/23 A	analyzed: 06/02/23
Diesel Range Organics (C10-C28)	565	50.0	250	255	124	38-132			
urrogate: n-Nonane	49.5		50.0		99.1	50-200			
Matrix Spike Dup (2322051-MSD1)				Source:	E306001-0	01	Prepared: 0	6/02/23 A	analyzed: 06/02/23
Diesel Range Organics (C10-C28)	586	50.0	250	255	132	38-132	3.55	20	
urrogate: n-Nonane	48.2		50.0		96.4	50-200			

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		est Shugart 29 1058-0007	Fed. #001				Reported:
Plains TX, 79355-0247		Project Manager:	То	om Bynum					6/7/2023 3:22:28PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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	1	Prepared:	06/05/23	Analyzed: 06/07/23
Chloride	271	200	250	ND	109	80-120			
Matrix Spike Dup (2323005-MSD1)				Source:	E306003-01	1	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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	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

accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Informatio	n
Client: Pima Env	ire

hain	0	Custody
Litairi	U	Custouy

	1	1
Page _	10	f_(

Client: Pi	ma Envi	ronmen	tal Servi	ces	Bill To	1			La	b Us	e On	ly			TA	ΛŤ.	EPA P	ogram
				ed. #001	Attention: Devon	1	Lab	WQ#			loh l	Vumber	1D	2D	3D	Standard	CWA	SDWA
Project M					Address:	4	E	30U	3 <i>0</i> 0	2	dos	F-000-8	-			X		
Address:					City, State, Zip						Analy	sis and Meth	od					RCRA
City, State Phone: 5			<i>I</i> I. 88240	)—————————————————————————————————————	Phone:	+		7.1								0.11865		
Email: to			n		Email:	+	3015	1015								and a	State	
Report du		14011.001			Pima Project # 1-705 -7	-	by 8	by 8	021	560	10	300.0	Z	×			UT AZ	IX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ Ьу 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC			X	Remarks	
7:00	Slubby	5	1	51-6		1			a.				×	_				
7:05	1	1	1	51-7'		2							1					
7:10	34			SZ-7'		3							1					
7:15				SZ-8		4												
7:20				53-6		5												
7:25				53-8'		6												
7:30				54-6		7												
7:35	7	+	1	54-7		8							4	-				
													-	-	4			de Confede
Additiona	l Instruct	ions:			B# 21165	001							1		lie!			
				icity of this sample. I am	aware that tampering with or intentionally mislabel		locatio	on,								eived on ice the day		ed or received
Relinquished	by: (Signa	ture)	5	31/23 Time 200	Received by: (Signature)	Date 5-31-	23	Time	100		Rece	eived on ice		Lab U	lse On	ly		T NEW
Relinquished	000	rend	Date	11-23 Time	Received by: (Signature)	G.y.	13		130		T1		T2			T3		
Relinquished	WN	V60		31.23 Time 23	Reseived by (Signature)	(0)1/2	3	Time	45		AVG	Temp °C	4					
Sample Matri	x: S - Soil, Sd	- Solid, <b>Sg</b> - !	Sludge, A - A	queous, O - Other		Containe	т Туре	: g - g	glass, p	o - pc	lq/ylc	astic, ag - am	ber gla	ass, v	- VOA			
Note: Samp	les are disca	arded 30 da	ays after re	sults are reported unl	ess other arrangements are made. Hazardous	samples will	be ret	urned	to clie	nt or	dispo	sed of at the c	ient ex	pense	. The r	eport for the ana	lysis of the	above

envirotech

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/01/23 0	8:45		Work Order ID:	E306002
Phone:	(575) 631-6977	Date Logged In:	06/01/23 0	9:11		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/07/23 1	7:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	imples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>'ourier</u>		
	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
	l samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes	r		Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C 7. Was a s	ooler ample cooler received?		Yes				
8. If yes, v	vas 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				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
	<u>el</u> ĩeld sample labels filled out with the minimum info imple ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	mples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and i	-		Subcontract Lab	· NA		
Client In	struction						

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

## Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	Donoutode
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/07/23 15:22

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.



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

### S1 - 6' E306002-01

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	92.9 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	92.4 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2322051
ND	50.0	2	06/02/23	06/03/23	
ND	100	2	06/02/23	06/03/23	
	100 %	50-200	06/02/23	06/03/23	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2323005
ND	20.0	1	06/05/23	06/05/23	
	mg/kg ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           92.4 %         mg/kg           MD         50.0           ND         100           IO0 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           Mg/kg         mg/kg         Analy           ND         50.0         2           ND         100         2           ND         100         2           ND         50-200         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0500         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23           mg/kg         mg/kg         Analyst: JL           ND         50.0         2         06/02/23           ND         50.0         2         06/02/23           ND         100         2         06/02/23           ND         50-200         06/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0500         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL         ND         06/02/23           mg/kg         mg/kg         Analyst: JL         ND         50.0         2         06/02/23         06/03/23           ND         50.0         2         06/02/23         06/03/23         06/03/23           ND         50.0         2         06/02/23         06/03/23           ND         50.0         2         06/02/23         06/03/23 <tr< td=""></tr<>



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

S1 - 7'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		99.9 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S2 - 7'

	ъ .				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	93.9 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	92.7 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2322051
ND	25.0	1	06/02/23	06/06/23	
ND	50.0	1	06/02/23	06/06/23	
	103 %	50-200	06/02/23	06/06/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
ND	20.0		06/05/23	06/05/23	
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           93.9 %         mg/kg           MD         20.0           92.7 %         mg/kg           MD         25.0           ND         50.0           103 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           103 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0500         1         06/01/23           ND         0.0250         1         06/01/23           ND         0.0250         1         06/01/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/02/23           ND         50.0         1         06/02/23           ND         50.0         1         06/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0500         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           ND         0.0250         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/01/23         06/02/23           mg/kg         mg/kg         Analyst: SL         ND         06/02/23           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         06/02/23         06/06/23           ND         25.0         1         06/02/23         06/06/23         06/06/23           ND         50.0         1         06/02/23         06/06/23           ND         50.0         1         06/02/23         06/06/23



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

S2 - 8'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		97.8 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	<del></del>



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

S3 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		101 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S3 - 8'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		98.6 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



# **Sample Data**

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

S4 - 6'

		E306002-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		118 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S4 - 7'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
p-Xylene	ND	0.0250	1	06/01/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		97.5 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	<del></del>



West Shugart 29 Fed. #001 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 6/7/2023 3:22:28PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2322039-BLK1) Prepared: 06/01/23 Analyzed: 06/01/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.3 70-130 LCS (2322039-BS1) Prepared: 06/01/23 Analyzed: 06/01/23 4.94 98.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.92 0.0250 5.00 98.5 70-130 5.05 0.0250 5.00 101 70-130 Toluene o-Xylene 5.01 0.0250 5.00 100 70-130 10.0 10.0 100 70-130 0.0500 p.m-Xvlene 100 70-130 15.0 15.0 Total Xylenes 0.0250 8.00 95.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 Matrix Spike (2322039-MS1) Source: E306001-02 Prepared: 06/01/23 Analyzed: 06/01/23 4.21 0.0250 5.00 ND 84.1 54-133 Benzene ND 61-133 Ethylbenzene 4.19 0.0250 5.00 83.8 Toluene 4.31 0.0250 5.00 ND 86.1 61-130 4.27 ND 85.4 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.54 0.0500 10.0 ND 85.4 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.55 8.00 Matrix Spike Dup (2322039-MSD1) Source: E306001-02 Prepared: 06/01/23 Analyzed: 06/01/23 5.05 0.0250 5.00 ND 54-133 18.2 20 ND 61-133 5.03 0.0250 5.00 101 18.3 20 Ethylbenzene 61-130 Toluene 5.16 0.0250 5.00 ND 103 18.1 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

103

102

102

93.4

63-131

63-131

63-131

70-130

18.4

18.0

18.1

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.14

10.2

15.4

7.47

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				6	/7/2023 3:22:28PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			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
Blank (2322039-BLK1)							Prepared: 0	5/01/23 Ana	alyzed: 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: 0	6/01/23 Ana	lyzed: 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: 0	6/01/23 Ana	lyzed: 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: 0	6/01/23 Ana	lyzed: 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			

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/7/2023 3:22:28PM
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322051-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 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: 0	6/02/23 A	nalyzed: 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: 0	6/02/23 A	nalyzed: 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: 0	6/02/23 A	nalyzed: 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			

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247	i	Project Name: Project Number: Project Manager	01	est Shugart 29 1058-0007 om Bynum	9 Fed. #001				<b>Reported:</b> 6/7/2023 3:22:28PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>A</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323005-BLK1)							Prepared: 0	6/05/23	Analyzed: 06/05/23
Chloride	ND	20.0							
LCS (2323005-BS1)							Prepared: 0	6/05/23	Analyzed: 06/05/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2323005-MS1)				Source:	E306003-0	1	Prepared: 0	6/05/23	Analyzed: 06/07/23
Chloride	271	200	250	ND	109	80-120			
Matrix Spike Dup (2323005-MSD1)				Source:	E306003-0	1	Prepared: 0	6/05/23	Analyzed: 06/07/23

250

200

ND

137

80-120

23.1

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	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

accociated 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: F	ima Env	ronmen	tal Servi	ces	Bill To	1			La	ab Us	se On	ilv			TA	T I	FDA P	rogram
Project:	West ?	hugar	+791	Fed. #001	Attention: Devon		Lab	WO#			Job	Number	1D	2D		Standard	CWA	SDWA
	Manager:				Address:	1	E	306	30C	2	dos	Number 7-0057				X		
	5614 N.				City, State, Zip						Analy	sis and Metho	d					RCRA
	e, Zip Ho		VI. 88240	)	Phone:	+			2							40.000		
	tom@pin		m		Email:	1	3015	3015						1		Nu al col	State	I TV I
Report d		10011.00			Pima Project # 1-205 -7	-	O by 8	O by 8	8021	3260	010	300.0	Z	¥	1 1	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	верос	BGDOC			Remarks	
7:00	5/26/13	5	1	51-6		1							×					
7:05		1	1	51-7"		2							T					
7:10				SZ-7		3							T					15.7
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7:25				53-8'		6							1					
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Addition	al Instruc	tions:			B# 21165	RYI	1						-	1	1 1			
(field samp late or time	oler), attest to of collection	the validity	and authent	icity of this sample. I a	im aware that tampering with or intentionally mislabe	lling the sample	locatio	on,								eived on ice the day the		ed or received
lan	ed by: (Signa	ame	Date 5	31/23 Time		Date 5-31-	23	Time	100	)	Rece	eived on ice:		ab U	lse Onl	ly		
	ed by: (Signa d by: (Signa		Date 5	11-23 Time	Received by: (Signature)	Date Sy.		Time	130		T1		TZ			<u>T3</u>		
Relinquishe		www.	Date 5	Time	Reseived by (Signature)	Date 6/1/2	3	Time	45	-		Temp °C	4					
-11.11	V			queous, O - Other	- un-v- / i uv-v-		r Type				_	astic, ag - amb	er gla	SS. V	- VOA			
lote: Sam	oles are disc	arded 30 d	ays after re	sults are reported u	nless other arrangements are made. Hazardou:	samples will	be ret	urned	to clie	ent or	dispo	sed of at the cli	ent exp	pense	. The r	eport for the anal	vsis of the	above
			and the second second	THE PROPERTY OF THE PARTY OF TH		THE RESERVE TO SERVE										The Control of the Co		4 10 10 10 10 10 10 10 10 10 10 10 10 10



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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/01/23 0	8:45		Work Order ID:	E306002
Phone:	(575) 631-6977	Date Logged In:	06/01/23 0	9:11		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/07/23 1	7:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	imples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>'ourier</u>		
	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
	l samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes	r		Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C 7. Was a s	ooler ample cooler received?		Yes				
8. If yes, v	vas 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				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
	<u>el</u> ĩeld sample labels filled out with the minimum info imple ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	mples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and i	-		Subcontract Lab	· NA		
Client In	struction						

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

#### Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shugart W 29 Fed 1	Reported:
PO Box 247	Project Number: 01058-000		Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/23 17:01

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.



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

### S1 - 5'

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		E300120-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: 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	
Surrogate: n-Nonane		112 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2325012
Chloride	220	20.0	1	06/19/23	06/19/23	



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

S2 - 5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		112 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2325012
Chloride	192	20.0	1	06/19/23	06/19/23	



Anions by EPA 300.0/9056A

Chloride

### **Sample Data**

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

S1 - 6'

E306128-03							
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
,					•	7 mary zea	
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: I			Batch: 2324063
Benzene	ND	0.0250	1	l	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	!	06/16/23	06/16/23	
Toluene	ND	0.0250	1	l	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	l	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	l	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	[	06/16/23	06/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130		06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130		06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	-	Analyst: J	L		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	l	06/19/23	06/20/23	
Surrogate: n-Nonane		115 %	50-200		06/19/23	06/20/23	

mg/kg

20.0

mg/kg

260

Analyst: BA

06/19/23

06/19/23



Batch: 2325012

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

S2 - 6'

		D am a :-+!:				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		111 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2325012
Chloride	56.8	20.0	1	06/19/23	06/19/23	



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

S3 - 5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		111 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2325012
Chloride	68.3	20.0	1	06/19/23	06/19/23	



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

S3 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		108 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2325012
Chloride	249	20.0	1	06/19/23	06/19/23	· · · · · · · · · · · · · · · · · · ·



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

S4 - 5'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
o,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		109 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2325012
	90.9	20.0		06/19/23	06/19/23	



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S4 - 6'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		96.5 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2325012
Chloride	191	20.0	1	06/19/23	06/19/23	<del></del>



Pima Environmental Services-Carlsbad	Project Name:	Shugart W 29 Fed 1	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 5:01:31PM

C1 - 4'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		112 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2325012
Chloride	202	20.0	1	06/19/23	06/19/23	



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

C2 - 4'

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		114 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



Pima Environmental Services-Carlsbad	Project Name:	Shugart W 29 Fed 1	
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C1 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		114 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2325012
					06/19/23	



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C2 - 6'

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	nalyst: IY		Batch: 2324063
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0500	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
	96.1 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	An	nalyst: IY		Batch: 2324063
ND	20.0	1	06/16/23	06/17/23	
	86.7 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	An	nalyst: JL		Batch: 2325018
ND	25.0	1	06/19/23	06/21/23	
ND	50.0	1	06/19/23	06/21/23	
	111 %	50-200	06/19/23	06/21/23	
mg/kg	mg/kg	An	nalyst: BA		Batch: 2325012
mg/kg	mg/kg	1 444	1017501 2511		Baten: 2020 012
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           86.7 %         mg/kg           MD         25.0           ND         50.0           111 %	Result         Limit         Dilution           mg/kg         mg/kg         Ar           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0         1           86.7 %         70-130           mg/kg         mg/kg         Ar           ND         25.0         1           ND         50.0         1           111 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/16/23           ND         0.0250         1         06/16/23           ND         0.0250         1         06/16/23           ND         0.0500         1         06/16/23           ND         0.0250         1         06/16/23           ND         0.0250         1         06/16/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/16/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/19/23           ND         50.0         1         06/19/23           ND         50.0         1         06/19/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/16/23         06/17/23           ND         0.0500         1         06/16/23         06/17/23           ND         0.0250         1         06/16/23         06/17/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/16/23         06/17/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/16/23         06/17/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/19/23         06/21/23           ND         50.0         1         06/19/23         06/21/23           ND         50.0         1         06/19/23         06/21/23



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C3 - 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		115 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2325012
	2470	20.0		06/19/23	06/19/23	



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C3 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		108 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2325012



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#### D1 - 5'

	E306128-15				
	Reporting				
t	Limit	Dilution	Prepared	Analyzed	Notes

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		110 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2325012
Chloride	1390	20.0	1	06/19/23	06/19/23	



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#### D1 - 6' E306128-16

		E300120-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
o,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		110 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



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E1 - 5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: 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	
Surrogate: n-Nonane		107 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2325012
Chloride	1240	20.0	1	06/19/23	06/20/23	



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#### E1 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		104 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/20/23	



Shugart W 29 Fed 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 6/21/2023 5:01:31PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2324063-BLK1) Prepared: 06/16/23 Analyzed: 06/16/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.58 8.00 94.7 70-130 LCS (2324063-BS1) Prepared: 06/16/23 Analyzed: 06/16/23 5.30 106 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.21 0.0250 5.00 104 70-130 5.47 0.0250 5.00 109 70-130 Toluene o-Xylene 5.46 0.0250 5.00 109 70-130 10.8 10.0 108 70-130 0.0500 p.m-Xvlene 108 70-130 16.2 15.0 Total Xylenes 0.0250 8.00 94.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.56 Matrix Spike (2324063-MS1) Source: E306128-10 Prepared: 06/16/23 Analyzed: 06/16/23 4.43 0.0250 5.00 ND 54-133 Benzene ND 87.4 61-133 Ethylbenzene 4.37 0.0250 5.00 Toluene 4.58 0.0250 5.00 ND 91.6 61-130 4.57 ND 91.4 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.02 0.0500 10.0 ND 90.2 63-131 13.6 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 Matrix Spike Dup (2324063-MSD1) Source: E306128-10 Prepared: 06/16/23 Analyzed: 06/16/23 5.16 0.0250 5.00 ND 54-133 15.2 20 ND 61-133 5.11 0.0250 5.00 102 15.6 20 Ethylbenzene 61-130 Toluene 5 34 0.0250 5.00 ND 107 154 20 5.34 5.00 ND 107 63-131 15.6 20 o-Xylene 0.0250 10.6 10.0 ND 106 63-131 15.7 20 p,m-Xylene 0.0500



15.9

7.61

0.0250

15.0

8.00

ND

106

95.1

63-131

70-130

15.7

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/21/2023 5:01:31PM
	Noi	nhalogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2324063-BLK1)							Prepared: 0	6/16/23 A	nalyzed: 06/16/23
Gasoline Range Organics (C6-C10)	ND	20.0					1		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			
LCS (2324063-BS2)							Prepared: 0	6/16/23 A	nalyzed: 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: 0	6/16/23 A	nalyzed: 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: 0	6/16/23 A	nalyzed: 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			



Pima Environmental Services-CarlsbadProject Name:Shugart W 29 Fed 1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/21/20235:01:31PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					6/21/2023 5:01:31PN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2325018-BLK1)							Prepared: 0	6/19/23 A	nalyzed: 06/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2325018-BS1)							Prepared: 0	6/19/23 A	nalyzed: 06/20/23
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
urrogate: n-Nonane	46.8		50.0		93.6	50-200			
Matrix Spike (2325018-MS1)				Source:	E306128-	14	Prepared: 0	6/19/23 A	nalyzed: 06/20/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
urrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2325018-MSD1)				Source:	Source: E306128-14		Prepared: 0	6/19/23 A	nalyzed: 06/20/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	7.17	20	
'urrogate: n-Nonane	50.2		50.0		100	50-200			



Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	0	hugart W 29 F 1058-0007 om Bynum				<b>Reported:</b> 6/21/2023 5:01:31PM	
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2325012-BLK1)							Prepared: 0	6/19/23 A	nalyzed: 06/19/23
Chloride	ND	20.0							
LCS (2325012-BS1)							Prepared: 0	6/19/23 A	nalyzed: 06/19/23
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2325012-MS1)				Source:	E306128-	01	Prepared: 0	6/19/23 A	nalyzed: 06/19/23
Chloride	405	20.0	250	220	74.0	80-120			M2
Matrix Spike Dup (2325012-MSD1)				Source:	E306128-0	01	Prepared: 0	6/19/23 A	nalyzed: 06/19/23

250

20.0

80-120

62.6

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Shugart W 29 Fed 1	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	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.



Prt̃ject Information					Chain of	Custody	1											Page _	<u>'</u> of _	2
Client: Pima Environme	ntal Servi	ces 4	X.874	Bill To			A contract	W 1470.	· la	b Us	e On	v				TAT		EPA	Program	$\Box$
Project Manager: Tom E	W 29	Fal 1	Attentio		v		lah l	NO#			Job:N	lumbe	r Ya	1D	2D		Standard	CWA		Ā
Project Manager: Tom E	Bynum		Address	:			Lab \	Olo	12	8 1	/)10:	lumbe	007				X	<u> </u>		
Address: 5614 N. Loving	aton Hwy.		City, Sta	te, Zip						-	Analy:	is and	Metho	Ė				<i>*</i> }	RCR	A
City, State, Zip Hobbs, N	M. 88240	<u> </u>	Phone:														47			
Phone: 580-748-1613			Email:				1 2	Ð				1	- [	l		1		State		
Email: tom@pimaoil.co	om	<del></del> [:	<u> </u>	\:## .O .		)	8	8	ធ		ا ۾ ا	8		ΣŽ		l	NM C	O UT A	Z TX	
Report due by:			Pima F	Project # 205	5-2		] ឆ្នី [	ខ្លឹ	8	826	109	8		1	ř		Y			_
Time Date Matrix	No. of Containers	Sample ID			X	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0		ВСБОС	BGDOC			Remai	·ks	
800 6/NO 5	1	51 -	5-			1								4						
805	2	52-	5′			2														
810	3	51-	6-			3														
815	4	52-	6			4														
820	5	53-	5		,	5														
825	6	53-	6			6														
830	1	54-5	5			7								П						
835	6	54-6	5			8								П						
840	9	C1-	4			9														
845	10	C2.	4			10								$\  \ $						
Additional Instructions:		8 11/1	#	-21165	-CS)									•						
, (field sampler), attest to the validit	y and authorn	city of this sample. I	am aware that ta	mpering with or intentionally	y mislabelline	the sample	e locatio	on,			Sample	s requirin	g thermal	preserv	ation mu	ust be recei	ved on ice the	ay they are s	mpled or reco	aived
ate or time of collection is consider	ed fraud and m	nay be grounds for les	al action.	Sampled by:							packed	in ice at a	n avg tem	p above	e 0 but le	ess than 6°	C on subsequen	t days.		
Relinquished by: (Signature)						Date	<u> </u>	Time	. ~						ab U	se Only	hay an			7. T
et7,me	[ <i>\\\\\</i>	15/23 Time 23	<u>0</u> [4	ived by: (Signafure)	<u> </u>	10 150	73	$\perp l^{\prime}$	430	)	Rec	eived o	on ice:	C	<b>Y)</b> N	1				
Relinquished by: (Signature)	Date	Time	15 Rec	gived by: (Signature)	ľ	Date 6-15			73	0	T1			<u>T2</u>			<u>. T3</u>			
Relinquished by: (Signature)	Date	16-23 Time	400 Rec	ejved by: (Signature)	Fa	Date OHO	23	Time 7:	3	 5	AVG	Temp	°C	4						
iample Matrix: S - Soil, Sd - Solid, Sg			· · · · · /	MINITED IN		Containe	r Type	: g - s	glass.	<b>p</b> - n				er gl	ass. v	- VOA	<u>``.</u> `	<del></del>	· · · · · · · · · · · · · · · · · · ·	
Note: Samples are discarded 30	days after res	ults are reported u	nless other arr	angements are made. H	lazardous sa	mples wil	l be ret	urned	to cli	ent o	r dispo	sed of a	t the cli	ent ex	pense	. The re	port for the	analysis of	the above	
samples is applicable only to tho	se samples re	eceived by the labo	ratory with this	COC. The liability of the	laboratory i	s limited t	o the a	moun	nt paic	for o	n the	report.								

envirotech of active cheft expense. The report for the analysis of the above or on the report.

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mail: tom@pi		n		• Ema				8015	8015				اہ	1	1	1		NIV	1 CO	State	IXI
eport due by:				Pin	na Project #	205-	2	tO by	to by	8021	8260	9010	300.0		ξ	¥			d	<u> </u>	
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	<b>GRO/DRO by</b>	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		Sego Begor	BGDOC			(	Remark	s
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mple Matrix: S - Soil, Se	- Solid, Sg -	Sludge, A - Aq	ueous, O - Other_			<del></del>	Containe	r Type		daga					bor ele		VOA				

C envirotech

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

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	no response concerning eness items within 21 nours or		,	1	,	
Client:	Pima Environmental Services-Carlsbad	Date Received:	06/16/23 07	7:35	Work Order ID:	E306128
Phone:	(575) 631-6977	Date Logged In:	06/16/23 08	3:58	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/22/23 17	7:00 (4 day TAT)	55 ,	
1. Does th	Custody (COC)  le sample ID match the COC?  le number of samples per sampling site location mat	tch the COC	Yes Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes		Comme	nts/Resolution
	urn Around Time (TAT)				Number of containers	was listed
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler ample cooler received?		Yes		incorrectly on COC w	hen received from
	was cooler received in good condition?		Yes		client.	
• /	<b>u</b>					
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
• •	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C			_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
	• • • • • • • • • • • • • • • • • • • •	iers conecteur	105			
Sa D	tel field sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes No			
Sample P	reservation_		- 10			
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
			1411			
	act Laboratory	0	NT.			
	amples required to get sent to a subcontract laborato subcontract laboratory specified by the client and it	•	No NA S	Subcontract Lab	o: na	
Client In	struction					
Chent In	isti uction					

Received by OCD: 9/18/2025 1:56:50 PM



930

Additional Instructions:

Page V of V

**EPA Program** 

SDWA

**RCRA** 

CWA

State

Remarks

NM CO UT AZ TX

Received by OCD: 9/18/2025 1:56:50 PM

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, Samples requiring thermal preservation must be received on ice the day they are sampled or received date or time of collection is considered fraud and may be grounds for legal action. packed in ice at an avg temp above 0 but less than 6°C on subsequent days. Relinquished by: (Signature) Received on ice: Relinquished by: (Signature) AVG Temp °C

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.





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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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



#### 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

A ..... I ..... . J D. ... 711

Project Location: DEVON

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### 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

Analyzed By: JH

Project Location: DEVON

#### Sample ID: SW 2 (0-4') (H243255-02)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	.u Dy. 311					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celey D. Keene



#### 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

Analyzed By: JH

Project Location: DEVON

#### Sample ID: SW 3 (0-4') (H243255-03)

BTEX 8021B

	9/	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



06/04/2024

#### Analytical Results For:

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

Received: 06/06/2024 Sampling Date:

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

Analyzed By: JH

Project Location: DEVON

#### Sample ID: SW 4 (0-4') (H243255-04)

BTEX 8021B

	9,	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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#### 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

Analyzed By: JH

Project Location: DEVON

#### Sample ID: CW 1 (0-4') (H243255-05)

BTEX 8021B

	9,	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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#### 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

Analyzed By: JH

Project Location: DEVON

#### Sample ID: CW 2 (0-4') (H243255-06)

BTEX 8021B

	9/	9	7	7: 5::					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 06/06/2024 Reported:

Sampling Date: 06/04/2024 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Project Number: 205-2

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: **DEVON** 

#### Sample ID: CW 3 (0-4') (H243255-07)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 06/06/2024 Reported: 06/12/2024

06/12/2024
WEST SHUGART 29 FEDERAL RATTERY

Project Name: WEST S
Project Number: 205-2
Project Location: DEVON

WEST SHUGART 29 FEDERAL BATTERY

Sampling Date: 06/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CW 4 (0-4') (H243)	255-08)								
BTEX 8021B	mg/	'kg	Analyze	ed 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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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#### Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: Project Number: 205-2 Project Location: DEVON Sampling Date: 06/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: DW 1 (0-4') (H243255-09)

BTEX 8021B	mg/	kg	Analyze	d 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 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 06/06/2024 Reported:

Sampling Date: 06/12/2024 Sampling Type:

Project Name: WEST SHUGART 29 FEDERAL BATTERY Project Number: 205-2

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

06/04/2024

Soil

Project Location: DEVON

#### Sample ID: DW 2 (0-4') (H243255-10)

BTEX 8021B mg/kg		'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 06/06/2024 Reported: 06/12/2024

Project Name: WEST SHUGART 29 FEDERAL BATTERY

Project Number: 205-2

Project Location: DEVON

Sampling Date: 06/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: DW 3 (0-4') (H243255-11)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



06/04/2024

Soil

#### Analytical Results For:

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

Received: 06/06/2024 Sampling Date:

Reported: 06/12/2024 Sampling Type:
Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition:

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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



06/04/2024

Cool & Intact

Shalyn Rodriguez

#### Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024 Sampling Type: Soil

Sampling Date:

Sampling Condition:

Sample Received By:

Project Name: WEST SHUGART 29 FEDERAL BATTERY Project Number: 205-2

Project Location: **DEVON** 

Sample ID: EW 1 (0-4') (H243255-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	ne* <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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Summanta I Chlorocatadasana	00.7	2/ 40.1.14	0						

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celecy D. Keene



#### Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: Project Number: 205-2

Project Location: **DEVON**  Sampling Date: 06/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: EW 2 (0-4') (H243255-14)

BTEX 8021B

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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d 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	
	<10.0	10.0	06/07/2024	ND					
EXT DRO >C28-C36	10.0								
EXT DRO >C28-C36  Surrogate: 1-Chlorooctane	98.8		4						

Analyzed By: JH

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Celey D. Keene



#### Analytical Results For:

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

Received: 06/06/2024 Reported: 06/12/2024

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: WEST S
Project Number: 205-2
Project Location: DEVON

Sampling Date: 06/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: EW 3 (0-4') (H243255-15)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 06/06/2024 Reported: 06/12/2024

 06/06/2024
 Sampling Date:
 06/04/2024

 06/12/2024
 Sampling Type:
 Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY
Project Number: 205-2

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: DEVON

#### Sample ID: EW 4 (0-4') (H243255-16)

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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  $6^{\circ}\text{C}$ 

Samples reported on an as received basis (wet) unless otherwise noted on report

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Released to Imaging: 11/19/2025 4:32:50 PM



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name: Pima Environmental S	ervices	BILL TO	ANALYSIS REQUEST
Project Manager: Gio Gomez		P.O. #:	
Address: 5614 N. Lovington Hwy		Company: Devon	7
	VM zip: 88240	Attn:	]
Phone #: 575-964-7740 Fax #:		Address:	]
	owner: Devon	City:	
Project #: 205-7 Project ( Project Name: WEST Shugart 297)	Peteral Rattery	State: Zip:	
Project Location:	00000	Phone #:	
Sampler Name:		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	그   의
Lab I.D. Sample I.D.		STUDGE OTHER:  OTHER:	
H SW1 (0-4')	GX	X 614124 8: 20	
5WZ (0-4')		8.39	
44 SW4 (0-41)		8:46	
15 CWI (0-4)		8:51	
HO (Ch)2 (0-4')		8:59	9
+7 CW3 (0-4')		9:07	7
+8 (-4)		9:17	
H SWI (0-4')  +3 SWZ (0-4')  +4 SWZ (0-4')  +4 SWZ (0-4')  +5 CWI (0-4')  +6 CWZ (0-4')  +7 CW3 (0-4')  +8 CW4 (0-4')  +9 DWI (0-4')  20 10 CWZ (0-4')		9:23	3
20 10 0017 (0-4)		9:34	

Relinquished By:	Pate: 024	Received By:	Phone Result:	
Karime Hame	Timet U20	& Show Monday	REMARKS: Stanbard	
Relinquished By:	Date:	Received By:	tom @ Pima oil. Com	
	Time:		1011 W fina oil, com	
Delivered By: (Circle One)	3.8.	Sample Condition CHECKED BY: Cool Intact (Initials)	Billing# 21165881	
Sampler - UPS - Bus - Other:	7000	Cool Intact (Initials)	Dining#	

Released to Imaging: 11/19/2025 4:32:50 PM



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

ompany Name: Pima Environmental Services								BI	LL TO	0					ANA	LYSIS	S RE	QUE	EST			
Project Manager: Gio Gomez							P.0	#:											Т			Г
Address: 5614 N. Lovington Hwy							Con	npa	ny: ]	RVOI	7								1			
city: Hobbs State: NM	Zip	: 8	382	240		- 1	Attn:															
Phone #: 575-964-7740 Fax #:							Add	Ires	s:					1								
Project #: 705-7 Project Owner	: [	20	V	On			City	:					1									
Project West Shugart 29 F	2	Pr	21	Bat	Her	V	Stat			Zip:			1									
Project Location:	24	U	01	1	1.101	1	Pho		#:				1									
Sampler Name:							Fax	#:					1				1					
FOR LAB USE ONLY		Г		M	ATRI	X	F	PRE	SERV.	SAM	PLIN	G	1	1	0)			1				
Lab I.D. Sample I.D.  15430447	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	10 X	SLUDGE	OTHER:	ACID/BASE:	OTHER:		74 C	TIME 1:46 1:53 0:11 0:17 0:28	#47	1	French + Chlarid							

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Relinquished By:	Date: 7/1	Received By:	Phone Result:   Yes   No Add'l Phone #:
1 1/2 2 200 1 le 200	Time; 120	On Allingeril	Fax Result:
I larime House	1428	1 1 maguet	Standard
Relinquished By:	Date:	Received By:	- 104.0040
	Time:		Toma Pimaoil. com
	Time.		1011 w \$1111001). COM
Delivered By: (Circle One)	28-	Sample Condition CHECKED BY:	Dilling 1/2 11 5000
Sampler - UPS - Bus - Other:	000	Cool Intact (Initials)	DIII/19 # 7 1 (0588)
Sampler - OFS - Bus - Other.	H	No I No	1 1 01 40001

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

# Pima Environmental Services-Carlsbad

Project Name: 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

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/5/25

Tom Bynum PO Box 247 Plains, TX 79355-0247

1 lams, 17/1/333-02-1

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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# **Sample Summary**

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/05/25 08:50

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.



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

		2002278 01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2509101
Benzene	ND	0.0250	1		02/27/25	03/01/25	Datem 2009101
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	Į.	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		95.3 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		96.9 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		95.3 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		96.9 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		102 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	AK		Batch: 2509104
Chloride	275	20.0	1		02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Benzene	ND	0.0250	1	l	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	[	02/27/25	03/01/25	
Toluene	ND	0.0250	1	l	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	l	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.4 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.4 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2509097
Diesel Range Organics (C10-C28)	51.5	25.0	1	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	51.8	50.0	1	1	02/27/25	02/28/25	
Surrogate: n-Nonane		101 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509104

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

		2002210 00					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Allalyte			Di			Anaryzeu	
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		98.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		100 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509104
Chloride	394	20.0		1	02/27/25	02/27/25	

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Allalyte			Di			Anaryzeu	
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		97.6 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		99.5 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509104
Chloride	630	20.0		1	02/27/25	02/27/25	

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst	•	, 200	Batch: 2509101
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	02/27/25	03/01/25	Batch: 2507101
Benzene	ND ND	0.0250		1	02/27/25	03/01/25	
Ethylbenzene	ND ND	0.0250		1	02/27/25	03/01/25	
Toluene	ND ND	0.0250		1	02/27/25	03/01/25	
o-Xylene	ND ND	0.0230		1	02/27/25	03/01/25	
p,m-Xylene	ND ND	0.0300		1	02/27/25	03/01/25	
Total Xylenes	ND			1			
Surrogate: Bromofluorobenzene		98.0 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.5 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.0 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.5 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		102 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509104
Chloride	847	20.0		1	02/27/25	02/27/25	

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
				Analyst:		7 mary zed	Batch: 2509101
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Allalyst		02/02/25	Batch: 2309101
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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/27/25	03/03/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		02/27/25	03/03/25	
Surrogate: Toluene-d8		96.7 %	70-130		02/27/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/03/25	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/27/25	03/03/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		02/27/25	03/03/25	
Surrogate: Toluene-d8		96.7 %	70-130		02/27/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Surrogate: n-Nonane		103 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509104
Chloride	233	20.0		1	02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	•	,	Batch: 2509101
Benzene	ND	0.0250		1	02/27/25	03/01/25	Batch. 2307101
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	
Surrogate: Bromofluorobenzene		99.8 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		100 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		99.8 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		100 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		105 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509104
Chloride	220	20.0		1	02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

8-1.5' E502275-08

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	l	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		99.2 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.4 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		99.2 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		97.4 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		102 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509104
Chloride	438	20.0	1		02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W1-1.5' E502275-09

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		95.7 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		105 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509104
Chloride	197	20.0		1	02/27/25	02/27/25	

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W2-1.5' E502275-10

	_	Reporting	_			
Analyte	Result	Limit	Dilut	tion Prepar	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.3 %	70-130	02/27/	/25 03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	02/27/	/25 03/01/25	
Surrogate: Toluene-d8		100 %	70-130	02/27/	/25 03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/	/25 03/01/25	
Surrogate: Bromofluorobenzene		98.3 %	70-130	02/27/	/25 03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	02/27/	/25 03/01/25	
Surrogate: Toluene-d8		100 %	70-130	02/27/	/25 03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		102 %	61-141	02/27/	/25 02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: AK		Batch: 2509104

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W3-1.5' E502275-11

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		97.9 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.1 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		98.1 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		104 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509104
Chloride	215	20.0		1	02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W4-1.5' E502275-12

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.3 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.3 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	1880	25.0		1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1340	50.0		1	02/27/25	02/28/25	
Surrogate: n-Nonane		103 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509104
Chloride	266	20.0		1	02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W5-1.5' E502275-13

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Surrogate: Bromofluorobenzene		97.9 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	AF		Batch: 2509097
Diesel Range Organics (C10-C28)	134	25.0	1		02/27/25	02/28/25	
Oil Range Organics (C28-C36)	163	50.0	1		02/27/25	02/28/25	
Surrogate: n-Nonane		103 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	AK		Batch: 2509104
Chloride	257	20.0	1		02/27/25	02/27/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

### W6-1.5' E502275-14

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Benzene	ND	0.0250	1	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509101
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/27/25	03/01/25	
Surrogate: Bromofluorobenzene		98.1 %	70-130		02/27/25	03/01/25	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		02/27/25	03/01/25	
Surrogate: Toluene-d8		99.7 %	70-130		02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2509097
Diesel Range Organics (C10-C28)	68.4	25.0	1	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	80.3	50.0	1	1	02/27/25	02/28/25	
Surrogate: n-Nonane		111 %	61-141		02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK			Batch: 2509104
Chloride	206	20.0	1	1	02/27/25	02/27/25	



### **QC Summary Data**

Pima Environmental Services-Carlsbad
Project Name: West Shugart 29 Fed. #001
PO Box 247
Po Box 247
Plains TX, 79355-0247
Project Manager: Tom Bynum

Volatile Organic Compounds by EPA 8260B

Analyst: IY

	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509101-BLK1)							Prepared: 0	2/27/25 Anal	lyzed: 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: 0	2/27/25 Anal	lyzed: 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: 0	2/27/25 Anal	lyzed: 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: 0	2/27/25 Anal	lyzed: 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			
			0.500		95.9	70-130			
Surrogate: Toluene-d8	0.480		0.500		93.9	/0-130			

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$ 

Surrogate: 1,2-Dichloroethane-d4

Matrix Spike Dup (2509101-MSD2)

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:West Shugart 29 Fed. #001Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum3/5/20258:50:43AM

Nonhalogenated Organics by EPA 8015D - GRO											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2509101-BLK1)							Prepared: 0	2/27/25 An	alyzed: 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: 0	2/27/25 An	alyzed: 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: 0	2/27/25 An	alyzed: 03/03/25		
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130					

0.500

0.500

0.500

50.0

0.500

0.500

0.500

20.0

0.493

0.482

0.494

48.9

0.492

0.480

0.499

70-130

70 - 130

70-130

70-130

70-130

70-130

70-130

Prepared: 02/27/25 Analyzed: 03/03/25

98.6

96.3

98.7

97.8

98.3

96.0

99.7

Source: E502275-06

ND



# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2025 8:50:43AM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum					3/5/2025 8:50:43AN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509097-BLK1)							Prepared: 0	2/27/25 Aı	nalyzed: 02/27/25
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.8		50.0		106	61-141			
CS (2509097-BS1)							Prepared: 0	2/27/25 Aı	nalyzed: 02/27/25
riesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
urrogate: n-Nonane	52.6		50.0		105	61-141			
Matrix Spike (2509097-MS1)				Source:	E502274-0	06	Prepared: 0	2/27/25 Aı	nalyzed: 02/27/25
tiesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
urrogate: n-Nonane	52.8		50.0		106	61-141			
Matrix Spike Dup (2509097-MSD1)				Source:	E502274-0	06	Prepared: 0	2/27/25 A1	nalyzed: 02/27/25
tiesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	2.38	20	
urrogate: n-Nonane	51.7		50.0		103	61-141			



Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	0	Vest Shugart 29 1058-0007 om Bynum	Fed. #001	l		<b>Reported:</b> 3/5/2025 8:50:43AM	
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				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
Blank (2509104-BLK1)							Prepared: 02	2/27/25 A	nalyzed: 02/27/25
Chloride LCS (2509104-BS1)	ND	20.0					Prepared: 02	2/27/25 A	nalyzed: 02/27/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2509104-MS1)				Source:	E502275-0	05	Prepared: 02	2/27/25 A	nalyzed: 02/27/25
Chloride	1090	20.0	250	847	96.1	80-120			
Matrix Spike Dup (2509104-MSD1)				Source:	E502275-0	05	Prepared: 02	2/27/25 A	nalyzed: 02/27/25

250

20.0

104

80-120

1.75

1110

#### 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	Reported:
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.



Chain of Custody

	1 51
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Received by OCD: 9/18/2025 1:56:50 PM

	Clier	t Inform	nation			Invoice	Information					Lal	b Us	e Or	ıly				T	AT .		State		
Client: I	Pima Environ	mental	Services,	LLC	C	ompany: Devon E	nergy		[	ab V	NO#	‡		Job	Nun	nber		1D	2D	3D	Std	NN	CO UT	TX
Project	Name: Wes	Shugar	t 29 Fed	#1	Ac	ddress:			1	E50	77.	27	<	Ole	Ea		· ·	X	-		X	x		
	Manager: To					ty, State, Zip:					-	<u>_ 1</u>	_	Cit	00	-	,0 1	1	200	200				1000
	: 5614 N Lov					ione:				F				Ana	lvsis	and	Met	hod				E	PA Progr	am
COLUMN TO SERVICE A	te, Zip: Hobl					nail:									7515	-						SDWA	CWA	RCRA
Phone:	(580)748-16	13			Mi	scellaneous: Proje	ect No. # 1-29	3																
Email: T	om@pimaoi	l.com									8015	8015			0			s	89			Compliance Y or PWSID#		or N
*	- 10 45 v · · · · · · · · · · · · · · · · · ·		··········	San	nple Informa	tion		-			O by	o by	8021	3260	300.0	NN	XT-2	Aetai	ion Pi		1	1 11010 11		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numb	o oer	ORO/ORO by 8015	SRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	CEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg				Remarks	Ď.
9:30	2/21/2025	S		1-1.5'												X								
9:34		1		2-1.5'					2							1								
9:38				3-1.5'		***			3															
9:44				4-1.5'					y															
9:49				5-1.5'					=															
9:55		+		6-1.5'					6							1			= 9					
10:03				7-1.5'					7	)						1				H		(a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		
10:19				8-1.5'					8															
10:23				W1-1.5'					9							1							- Harris	
10:27				W2-1.5'					10	)						1								
Additio	nal Instruction	ons: Bl	LLING- 2	165881								بلمسا									-			
I, (field san	npler), attest to t	ne validity	and authenti	city of this sa	ample. I am awar	e that tampering with o	or intentionally misl	abeling the	e sample	locat	tion, c	date or	r time	of col	lectio	n is ca	nsider	ed fra	ud an	d may l	be gro	unds for le	gal action.	
	y: Andrew Franco																							
And	shed by: (Sign	nco		1/25	12:30	Received by: (Sign	VICIANO.	Z ZK	15		_	11:				are sa		or rece	ived pa				ived on ice th above 0 but i	
Kan	shed by: (Sigr ML Ada	me	Z/	26   25	1:16 V	Beceived by (Sign	Mure)	Date 2	6-25	5		316	,			Lab Use Only Received on ice:								
Mich	shed by: (Sign	onza	des 2	26.25	1520	Received by: (Sign	nature	Dete	25		IS	20		3		<u>T1</u>				T2_			<u>T3</u>	
Lick	hed by: Sign	atyré) John	Date	26-25	Time 213a	Received by: (Sign	L HU	Date 2-2	1-29		Fime O4	130	5		1.0	AVG	i Ten	np of	c_ (	1				
Sample Ma	trix: S - Soil, Sd -	Solid, Sg -	Sludge, A - A	queous, O -	Other	11.		Contair	ner Typ	e:g-	gla	ss, p	- po	ly/pl	astic	ag -	amb	er gla	ass, v	- VO	A			
Note: 5a for the a	mples are dis nalysis of the	carded 1 above s	4 days afte amples is	er results a applicabl	are reported u e only to thos	nless other arrang e samples receive	ements are maded by the laborat	de. Haza ory with	rdous this CC	samp OC. Th	ples he li	will	be re	the l	ed to	clie	nt or	disp mite	osed d to t	of at	the	client exp	pense. Th	e report eport.

						Chain	of Cu	istod	ly										Page $2 \text{ of } 2$
	Clien	t Inforn	nation		Invoice Information				La	ab Us	e On	ılv				TAT		State	1
Client: Pi	ma Environ			LLC	Company: Devon Energy		_ La	b WC			Job	-	ber		1D		BD Std		
N	M/	Chican	20 5-4	44	Address		F	502	277	-	010	20	-	- 5	×		X		
-	lame: West Nanager: To			4.1	Address: City, State, Zip:			w	- 21	2	Oic	JO	-	الم			-		
	5614 N Lov				Phone:						Anal	lysis	and	Met	hod			EPA Program	
	e, Zip: Hobb		8240		Email:					H								SDWA CWA RCRA	
	580)748-16				Miscellaneous: Project No. # 1-2	98		3										G U S N	
maii: io	m@pimaoil	.com			11			8015	8015			0			s	9		Compliance Y or N PWSID#	1
			1	Sample	nformation			O by	O by	8021	8260	300.	N	5 - TX	Metal	lon P			1
Time	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab	PRO/ORO by	SRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	CEQ 1005 - TX	RCRA 8 Metals	Jation/Anion Pkg		Remarks	
iampled	2/21/2025	_	Concamers	W3-1.5'		正正	Numbe	er R	15	BT.	>	5	86	TCE	RC	Cat	-		+
10.55	Λ	S		W3-1.3			11						X						
10:38				W4-1.5'			1-												
10.42		-		MC 1 C	man and the man		12	-	-				+			-	-		
10:42		V		W5-1.5'			13												
10:49		1		W6-1.5'									4						1
	,						14												
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16.11		- / · · · · · · ·							On 70	2.4		n	A 80.00						_
	Andrew Franco	e validity a	ind authent	city of this sample.	I am aware that tampering with or intentionally m	islabeling th	e sample	location	i, date	or tim	e of co	llectio	n is co	insider	red fra	ud and	may be g	rounds for legal action.	
		ature)	Date	Time	Received by: (Signature)	Date		Tim	e				Samp	les requ	uiring t	nermal p	reservatio	n must be received on ice the day they at an avg temp above 0 but less than 6 oC	1
HYOY	Hed by Isign	MILL	21	21/25/12.	30 Received by: (Signature)	Date Z/Z	6125	> 9	: 1	1				bseque					_
efinquis	hed by: (Sign	ature)	Date	26/25 Time	16 Received by (Signature)	Date	6.25	< Tim	31	6			Da	eive	4	lee.	Lab U	Ise Only	
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Printed: 2/27/2025 11:15:19AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/27/25 04	:30	Work Order ID	D: 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)					
			Vog			
	te sample ID match the COC? The number of samples per sampling site location mat	tch the COC	Yes			
	amples dropped off by client or carrier?	ion the COC	Yes Yes	a : a	·	
	e COC complete, i.e., signatures, dates/times, reques	eted analyses?	No	Carrier: <u>C</u>	<u>courier</u>	
	Il samples received within holding time?	sted analyses:	Yes			
J. Were an	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comm	ents/Resolution
Sample T	urn Around Time (TAT)				NT C 4	11.1 000
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		No of containers not j	provided on COC.
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 1	<u>~</u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab		iers conceicu.	103			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?	THREE CHE	Yes			
	ate/Time Collected?		Yes	L		
C	ollectors name?		No			
	<u>reservation</u>					
	the COC or field labels indicate the samples were pr	reserved?	No			
	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
26. Does t	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: NA	
Client In	struction					
CHERTI	istruction					

Date

Report to:
Delrae Geller



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

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Client Representative

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mgonzales@envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/05/25 17:06

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.



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

### CSW1

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: BA		Batch: 2532029
ND	0.0250	1	08/05/25	08/05/25	
ND	0.0250	1	08/05/25	08/05/25	
ND	0.0250	1	08/05/25	08/05/25	
ND	0.0250	1	08/05/25	08/05/25	
ND	0.0500	1	08/05/25	08/05/25	
ND	0.0250	1	08/05/25	08/05/25	
	94.5 %	70-130	08/05/25	08/05/25	
mg/kg	mg/kg	Analys	st: BA		Batch: 2532029
ND	20.0	1	08/05/25	08/05/25	
	105 %	70-130	08/05/25	08/05/25	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2532025
ND	25.0	1	08/05/25	08/05/25	
ND	50.0	1	08/05/25	08/05/25	
	113 %	61-141	08/05/25	08/05/25	
mg/kg	mg/kg	Analys	st: JM		Batch: 2532027
ND	20.0		08/05/25	08/05/25	·
	mg/kg ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           94.5 %           mg/kg         mg/kg           ND         20.0           105 %         mg/kg           ND         25.0           ND         50.0           113 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MR         mg/kg         Analys           MR         mg/kg         Analys           MR         mg/kg         Analys           ND         25.0         1           ND         50.0         1           MR         61-141         Analys           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         08/05/25           ND         0.0250         1         08/05/25           ND         0.0250         1         08/05/25           ND         0.0250         1         08/05/25           ND         0.0500         1         08/05/25           ND         0.0250         1         08/05/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         08/05/25           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         08/05/25           ND         50.0         1         08/05/25           ND         50.0         1         08/05/25           ND         50.0         1         08/05/25           Mg/kg         Mg/kg         Analyst: RAS	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         08/05/25         08/05/25           ND         0.0500         1         08/05/25         08/05/25           ND         0.0250         1         08/05/25         08/05/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         08/05/25         08/05/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         08/05/25         08/05/25           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         08/05/25         08/05/25           ND         50.0         1         08/05/25         08/05/25           ND         50.0         1         08/05/25         08/05/25           ND         50.0

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### CSW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		112 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2532027
					08/05/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### CSW3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		112 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2532027
Chloride	100	20.0	1	08/05/25	08/05/25	



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### CSW4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		115 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532027
<del></del>	ND	20.0		08/05/25	08/05/25	



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#### CS1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		114 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2532027
Chloride	20.8	20.0	1	08/05/25	08/05/25	



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#### CS2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		116 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532027
Chloride	163	20.0	1	08/05/25	08/05/25	



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#### CS3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		108 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2532027
Chloride	4540	40.0	2	08/05/25	08/05/25	



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#### CS4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		114 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2532027
Chloride	156	20.0	1	08/05/25	08/05/25	



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#### CS5

		ъ .:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		lyst: BA	7 mary 200	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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		115 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532027
Chloride	2830	40.0	2	08/05/25	08/05/25	



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#### CS6

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		117 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2532027
Chloride	1950	20.0	1	08/05/25	08/05/25	



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#### CS7

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		97.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2532027
	258	20.0		08/05/25	08/05/25	· · · · · · · · · · · · · · · · · · ·



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#### CS8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		103 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532027
Chloride	397	20.0	1	08/05/25	08/05/25	



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#### CS9

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		98.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532027
	2070	40.0	2	08/05/25	08/05/25	



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#### **CS10**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		96.3 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2532027
Chloride	158	20.0	1	08/05/25	08/05/25	•



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### CS11

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		102 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2532027
Chloride	87.7	20.0	1	08/05/25	08/05/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS12**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		96.1 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2532027
· · · · · · · · · · · · · · · · · · ·	3460	40.0	2	08/05/25	08/05/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS13**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		92.9 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2532027
-	226	20.0		08/05/25	08/05/25	· · · · · · · · · · · · · · · · · · ·



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS14**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		97.0 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2532027



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS15**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		104 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2532027
Chloride	498	20.0	1	08/05/25	08/05/25	<del></del>



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS16**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		99.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2532027
Chloride	25.8	20.0	1	08/05/25	08/05/25	<del></del>



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS17**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		102 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2532028
Chloride	36.9	20.0		08/05/25	08/05/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

#### **CS18**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		95.8 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2532028
Chloride	953	20.0	1	08/05/25	08/05/25	<del></del>



West Shugart 29 Federal #001 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Delrae Geller 8/5/2025 5:06:30PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2532029-BLK1) Prepared: 08/05/25 Analyzed: 08/05/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.75 8.00 96.9 70-130 LCS (2532029-BS1) Prepared: 08/05/25 Analyzed: 08/05/25 5.68 114 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.56 0.0250 5.00 111 70-130 5.66 0.0250 5.00 113 70-130 Toluene 5.43 o-Xylene 0.0250 5.00 109 70-130 11.2 10.0 112 70-130 0.0500 p.m-Xvlene 70-130 15.0 111 Total Xylenes 16.6 0.0250 8.00 95.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.60 Matrix Spike (2532029-MS1) Source: E508020-04 Prepared: 08/05/25 Analyzed: 08/05/25 5.78 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 5.63 0.0250 5.00 113 Toluene 5.76 0.0250 5.00 ND 115 70-130 5.53 ND 111 70-130 5.00 0.0250 o-Xylene p,m-Xylene 11.3 0.0500 10.0 ND 113 70-130 16.9 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.92 8.00 Matrix Spike Dup (2532029-MSD1) Source: E508020-04 Prepared: 08/05/25 Analyzed: 08/05/25 5.44 0.0250 5.00 ND 70-130 6.04 27 70-130 5.34 5.34 0.0250 5.00 ND 107 26 Ethylbenzene



5 44

5.25

10.7

16.0

7.97

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

109

105

107

107

99.6

70-130

70-130

70-130

70-130

70-130

5.62

5.23

5.19

5.20

20

25

23

26

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

West Shugart 29 Federal #001 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Delrae Geller 8/5/2025 5:06:30PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2532030-BLK1) Prepared: 08/05/25 Analyzed: 08/05/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.25 8.00 90.6 70-130 LCS (2532030-BS1) Prepared: 08/05/25 Analyzed: 08/05/25 5.22 104 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.12 0.0250 5.00 102 70-130 5.19 0.0250 5.00 104 70-130 Toluene 5.15 103 o-Xylene 0.0250 5.00 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 103 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 90.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.24 Matrix Spike (2532030-MS1) Source: E508006-05 Prepared: 08/05/25 Analyzed: 08/05/25 5.51 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 5.42 0.0250 5.00 108 Toluene 5.51 0.0250 5.00 0.0283 110 70-130 ND 109 70-130 5.46 5.00 0.0250 o-Xylene p,m-Xylene 10.9 0.0500 10.0 ND 109 70-130 16.4 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 Matrix Spike Dup (2532030-MSD1) Source: E508006-05 Prepared: 08/05/25 Analyzed: 08/05/25 5.19 0.0250 5.00 ND 70-130 6.12 27 70-130 5.11 0.0250 5.00 ND 102 5.93 26 Ethylbenzene Toluene 5.17 0.0250 5.00 0.0283 103 70-130 6.46 20 5.17 5.00 ND 103 70-130 5.42 25 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

103

103

95.1

70-130

70-130

70-130

5.81

5.68



23

26

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.3

15.5

7.60

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller					8/5/2025 5:06:30PM
	Nor	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2532029-BLK1)							Prepared: 0	8/05/25 A	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: 0	8/05/25 A	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: 0	8/05/25 A	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: 0	8/05/25 A	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			

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/5/2025 5:06:30PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller				8/5	/2025 5:06:30PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		I	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
D. J. (222000 D. V.C.)	mg kg	mg/ Kg	mg/kg	mg/kg		70			
Blank (2532030-BLK1)							Prepared: 0	8/05/25 Analy	zed: 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: 0	8/05/25 Analy	zed: 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: 0	8/05/25 Analy	zed: 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: 0	8/05/25 Analy	zed: 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			

Pima Environmental Services-CarlsbadProject Name:West Shugart 29 Federal #001Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Delrae Geller8/5/20255:06:30PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller				8/:	5/2025 5:06:30PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO		1	Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2532025-BLK1)							Prepared: 0	8/05/25 Anal	yzed: 08/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.0		50.0		90.0	61-141			
LCS (2532025-BS1)							Prepared: 0	8/05/25 Anal	yzed: 08/05/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
urrogate: n-Nonane	47.0		50.0		93.9	61-141			
Matrix Spike (2532025-MS1)				Source:	E508020-	14	Prepared: 0	8/05/25 Anal	yzed: 08/05/25
Diesel Range Organics (C10-C28)	401	25.0	250	ND	160	56-156			M2
urrogate: n-Nonane	50.0		50.0		100	61-141			
Matrix Spike Dup (2532025-MSD1)				Source:	E508020-	14	Prepared: 0	8/05/25 Anal	yzed: 08/05/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	40.1	20	R4
urrogate: n-Nonane	48.3		50.0		96.5	61-141			



Pima Environmental Services-CarlsbadProject Name:West Shugart 29 Federal #001Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Delrae Geller8/5/20255:06:30PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller				;	8/5/2025 5:06:30PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2532026-BLK1)							Prepared: 0	8/05/25 An	alyzed: 08/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.6		50.0		97.2	61-141			
LCS (2532026-BS1)							Prepared: 0	8/05/25 An	alyzed: 08/05/25
Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
urrogate: n-Nonane	47.7		50.0		95.4	61-141			
Matrix Spike (2532026-MS1)				Source:	E508020-2	21	Prepared: 0	8/05/25 An	alyzed: 08/05/25
Diesel Range Organics (C10-C28)	356	25.0	250	40.9	126	56-156			
urrogate: n-Nonane	39.0		50.0		78.1	61-141			
Matrix Spike Dup (2532026-MSD1)				Source:	E508020-2	21	Prepared: 0	8/05/25 An	alyzed: 08/05/25
Diesel Range Organics (C10-C28)	351	25.0	250	40.9	124	56-156	1.37	20	
urrogate: n-Nonane	50.0		50.0		99.9	61-141			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Number: Project Manager:	West Shugart 29 Federal #001 01058-0007 Delrae Geller	<b>Reported:</b> 8/5/2025 5:06:30PM

		Anions	by EPA 3	00.0/9056	4		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 (2532027-BLK1)							Prepared: 0	8/05/25 Anal	yzed: 08/05/25				
Chloride	ND	20.0											
LCS (2532027-BS1)							Prepared: 0	8/05/25 Anal	yzed: 08/05/25				
Chloride	255	20.0	250		102	90-110							
Matrix Spike (2532027-MS1)				Source:	E508020-	02	Prepared: 0	8/05/25 Anal	yzed: 08/05/25				
Chloride	255	20.0	250	ND	102	80-120							
Matrix Spike Dup (2532027-MSD1)				Source:	E508020-	02	Prepared: 0	8/05/25 Anal	yzed: 08/05/25				
Chloride	254	20.0	250	ND	101	80-120	0.565	20					

Pima Environmental Services-Carlsbad		Project Name:	V	est Shugart 2	9 Federal #		Reported:		
PO Box 247		Project Number:	0	1058-0007					
Plains TX, 79355-0247	Project Manager: Delrae Geller							8/5/2025 5:06:30PM	
		Anions	by EPA	300.0/9056	A				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2532028-BLK1)							Prepared: 0	8/05/25 A	nalyzed: 08/05/25
Chloride	ND	20.0							
LCS (2532028-BS1)							Prepared: 0	8/05/25 A	nalyzed: 08/05/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2532028-MS1)				Source:	E508020-2	22	Prepared: 0	8/05/25 A	nalyzed: 08/05/25
Chloride	1490	20.0	250	953	213	80-120			M4
Matrix Spike Dup (2532028-MSD1)				Source:	E508020-2	22	Prepared: 0	8/05/25 A	nalyzed: 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	
١	PO Box 247	Project Number:	01058-0007	Reported:
l	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.



	Clien	t Inform	ation			oice Information				La		se On					TAT			Stat	
Client: /	imcl Envi	ronne	1tcul	~1 6001	Company: Day Address:	on therejy		Lab	WO	021	2	Olo	Vum	ber	77	1D	2D 31	Sto	NM	CO UT	TX
Project N	lanager: Da	ME GA	der		City, State, Zip:	·			200	000		010	20	-	-						
Address:	5614 No e, Zip: Hobb 800 724	th Loving	iton HW	Y	Phone:	and the second s	1			1	1	Ana	lysis	and	Met	hod				A Progra	***************************************
City, State	e, Zip: Hobb	5, NM	88240	2	Email: Miscellaneous:	1		-											SDWA	CWA	RCRA
Email: 1	Jelras Qui	majoil.	com		wiscellaneous.	1-298			8015	8015									Complian	ce Y	or N
							-		6	by 80	8021	093	0.00	M	×	etals	on Pkg		PWSID#		
Time			No. of	Sample Infor			D 7	Lab	DRO/ORO	GRO/DRO by	(by 8	VOC by 8260	Chloride 300.0	BGDOC - NM	rceq 1005	RCRA 8 Metals	ation/Anion Pkg		Samle Temp	Ren	marks
Sampled	Date Sampled	Matrix	Containers		Sample ID	Mana.	Field	Number	DRO	GRO	втех by	VOC	Chio	BGD	TCEO	RCR.	Catio		Sa		
8:10	8-1-25	S		CSCUI				1						1					1.0		
8:20	8-1-25	S		CSW2		A STAN SIGNAL		2											1.0		
8:30	8-1-25	S		CSW3				3											1.2		
8:40	8-1-25	S		CSW4				4											2.2		
V: 50	8-1-25	5		CSI				5											1.1		
9.00	8-1-25	5		CS2				6											1.3		
9:10	8-1-25	5		CS3				7											2.2		
9:20	8-1-25	S		CS4				8											1.3		
9:30	8-1-25	5		CS5				9											1.4		
9:40	8-1-25	5		CS6				10											10		
	al Instruction		Billina	EE-167	545.01.	430															
I, (field samp Sampled by:	oler), attest to the	validity and	authenticity	of this sample. I am awar	e that tampering with o	r intentionally mislabeling	the samp	e location,	date of	r time c	of colle	ction is	consid	dered f	raud a	nd ma	y be groun	ds for le	gal action.		
Relinguishe	ed by: (Signature	)		Bate 8-1-25	7: 60	Received by (Signat		onspi	Pec	Date	4-			Time	141				Samples re eservation n	17	
Relinquishe	nd by risignature	onsa	les	8-4-25	Time	Received by: (Signat	ure)	nzali	مع	Date	-4.	-25		Time	160				e the day th ceived pack		
	ed by: (Signature		les	8-4-25	7900	Received by Signat	ure)	Lux	SO.	Date		4.		Time		70	0		above 0 but	less than	
Relin Lin	drong	MII	MA	Date	Time	Referred by 15	(ire)	Ma.	2			5.2			200				Lab	Use Only	/
VIII	www	INCO	An ell Plo	8.4.25	2400	un	41	- WW			0.	Ja	)	U	W				Receiv	ved on ic	e:

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.

Clier	Client Information Invoice Information												TA	AT				2			
Client: Ping Environme: WSt	nmente Shorr	al 129 Feder	rd # 001	Company: OA/	on Energy		Lai	900 P	#o2	20	l dol	Num	ber •00	57	1D	2D	3D Std	NI X	и со	UT	TX
Project Manager: Del	Rue Gal	er		City, State, Zip:			_														
Address: SULY N G	virgin	HWY		Phone:							Ana	lysis	and	Met	hod				EPA P	*******	
City, State, Zip: Hodos	, DM	88290		Email:			_											SDWA	C	NA	RCRA
Phone: (SOL) 724 Email: Welrae @ pin		1		Miscellaneous:	1-248			by 8015	3015						8	501		Complia		Υ	or N
			Sample Info	ermation			_	O by 8	O by §	8021	3260	300.0	NN.	5-TX	Vietai	non Pk			#		
Time Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numbe	DRO/ORO	GRO/DRO by 8015	BTEX by 8023	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals	Cation/Anion Pkg		Samle		Rem	narks
9:50 8-1-25	S		CSA				11						X					1.3			
10:00 8-1-25	S		(58				12											1.5			
10:10 8-1-25	S		CS9				13											1.3			
10:20 8-1-25	5		CSIO				14					S. Marion						2.5		~	
10:30 8-1-25	5		CSU				15						1					2.2			
10:40 8-1-28	5		CSIA				10											4.4			
10:50 8-1-25	S		CS13				17											3.8			
11:00 8-1-25	5		CS14				18											4.0			
11:10 8-1-25	9		CS15				19											1.4			
11:20 8-1-25	5		CS16				20						h					8.9			
Additional Instructio		Billing		7545.01.																	
I, (field sampler), attest to the	validity and	CICA	of this sample. I am av	vare that tampering with or i	ntentionally mislabeling	the samp	ole location	i, date o	r time o	of colle	ction is	consid	lered f	raud a	nd may	be gr	ounds for le	gal action.			
Relinquished by: (Signature	2)		8-1-25	3:00	Received by (Signat	ure G	onza	les	Date	8-4	-15	5	Time	40	00			Samples servation		-	ermal ceived on
Relinquished by Signature	lonen	lec	8-4-25	Time	Received by: (Signat	ural	nzal	lea	Date	8-4	25	5		160	CC		7	e the day eived pa			npled or at a temp
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Anarew	VIII	SQ	Pate 9.4.7	Time	Refeived by: (Sto	47	Mar	n	Data	5	25	5	Time	000	22		-		b Use		51
Relinquished by: (Signature	e)		Date	Time	Received by: (Signat	ure)			Date		210		Time						0/1		
Sample Matrix: \$ - Soil, \$d - 5	olid, <b>Sg</b> - Slu	dge, A - Aque	ous, <b>O</b> - Other		<u></u>	Con	tainer Ty	pe: g -	glass,	<b>p</b> - p	oly/pl	astic,	ag -	ambe	r glas	s, v -	VOA				
Note: Samples are discard applicable only to those sa	ed 14 days imples rece	after results	are reported unless aboratory with this	other arrangements are r COC. The liability of the la	made. Hazardous sam boratory is limited to t	ples will the amo	be return unt paid fo	ed to c or on th	lient or ne repo	dispo ort.	sed of	at the	e clien	t expe	ense. I	he re	port for the	analysis o	if the al	ove sa	imples is

Page 341 of 30

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.

	Clie	nt Inform	ation			oice Information				Li	ab Us	se Or	nly				TAT		State
Client: Y	ima forcin	nment	al	1 - 2	Company:	avan Energy		La	000 000	100		Job	Num	ber			2D 3D 5		CO UT TX
Project N	ame: West	Page Ga	24 Feren	al #001	Address: City, State, Zip:		-		200	1000	)	CIC	29.	000	) (	1		X	
Address:	lanager: De 5614 N	/ ovince	on HW	4	Phone:	· · · · · · · · · · · · · · · · · · ·						Ana	alysis	and	Met	hod		E	PA Program
City, Stat	e, Zip: Hobb	5 NM	88240	)	Email:				No.				Ė				TI	SDWA	CWA RCRA
Phone:	(806) 724	1-534	1		Miscellaneous:	1-298												Consider	I I V as I N
Email:	Delracion	meloil	.6044			, - 10			8015	8015	a		0			No.	20	Complian PWSID #	ice Y or N
7				Sample Info	rmation				RO by	RO by	y 802.	/ 8260	de 300	N. N.	CL - 500	3 Meta	Amon F		
Time Sampled	Date Sampled	Matrix	No of Containers		Sample ID		Field	Lab Numbe	DRO/OI	GRO/DRO	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	CEQ 1005 - TX	RCRA 8 Metals	Cation/Amon Pkg	Samle Temp	Remarks
(1:30	8-1-25	S		CS17				21	1		-			x				1.7	
							+		-	-	-		-			-	-+-+		
11:40	8-1-25	S		CS18				22	4									3.2	
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	al Instructio		0.1	Inc. EE	-16,754	5.01. AB	0												
I, (field sam	oler), attest to the	validity and	authenticity	of this sample. I am aw	are that tampering with or	r intentionally mislabeling	the sam	ple location	, date or	time o	of collec	ction is	s consid	dered fi	raud a	nd may	be grounds fo	legal action.	
			cicl																
Relinquish	ed by: (Signature	(1)		8-1-25	Time 3:00	Received by: (Signal	ure)		0	Date	- 4	15		Time	41	N			equiring thermal must be received on
Refinduish	od by Msignarun	2)	n	Date	Time	Received by: (Signal	ure)	onze	(es	Date				Time					hey are sampled or
Ville	d by (Signar)	onen	(cs	8-4-25	1600	Marissa	Ma	nzal	ca		4	25	)_		160	00			ked on ice at a temp
Relinquish	ed by: (Signatur	mod	PA.	7.4.25	7900	Received by (Signat	in A	Ans	80	Date	0	11	20	Time	1	90			it less than 6°C on
Relia	draw	Min	110	Date _	Time	eceived to all the	Jire)		M	Date	0	.4	. 65	Time	/	-			Use Only
JIII	wiew	IVILL	NAC	8.4.25	2400	Carle	20	rav		18	5	1,9	5	(	QC	O			ived on ice:
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	rix: <b>5</b> - Soil, <b>Sd</b> - S	olid Cn - Shu	4- 5 5	0.000		.1	TCon	tainer Ty	2010	1		-1-7-	1	L					-

envirotech Inc.

Printed: 8/5/2025 9:01:10AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	08/05/25 06:	00	Work O	rder 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)			
	Custody (COC)						
	he sample ID match the COC?	tab the COC	Yes				
	he number of samples per sampling site location ma	iich the COC	Yes				
	amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, reque	ected analyses?	Yes No	Carrier: <u>Co</u>	<u>ourier</u>		
	Il samples received within holding time?	sted analyses:	Yes				
3. Wele a	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucss:		103	_	<u>C</u>	omment	s/Resolution
	Furn Around Time (TAT)  a COC indicate standard TAT, or Expedited TAT?		Yes		No of containers	not pro	ovided on COC.
Sample (	Cooler						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	the sample received on ice?  Note: Thermal preservation is not required, if samples at 15 minutes of sampling  OC for individual sample temps. Samples outside of		Yes	aammants			
		or o c-o c win be	recorded iii	comments.			
	<u>Container</u> queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	3?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum inf	ormation:					
	ample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes No				
_	Preservation		NO				
	the COC or field labels indicate the samples were p	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ase?	No				
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subconti	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	subcontract laboratory specified by the client and	if so who?	NA S	ubcontract Lab:	: NA		
Client In	nstruction						

Date

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

Report to:
Delrae Geller



5796 U.S. Hwy 64 Farmington, NM 87401

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





## envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: 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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

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**Michelle Gonzales** 

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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QC - Nonhalogenated Organics by EPA 8015D - GRO	8
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### **Sample Summary**

Γ	Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #1	Danautada
l	PO Box 247	Project Number:	01058-0007	Reported:
1	Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/14/25 15:08

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.



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/14/2025 3:08:24PM

#### Backfill 1 E508149-01

		E300147-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2533096
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		87.2 %	61-141	08/14/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2533087
Chloride	ND	20.0	1	08/14/25	08/14/25	



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/14/2025 3:08:24PM

#### Backfill 2 E508149-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	11	08/14/25	08/14/25	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2533096
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	
Surrogate: n-Nonane		85.0 %	61-141	08/14/25	08/14/25	
	mg/kg	mg/kg	Analys	t: IY		Batch: 2533087
Anions by EPA 300.0/9056A	mg/Kg	mg ng				Battern 2000 007



West Shugart 29 Federal #1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Delrae Geller 8/14/2025 3:08:24PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2533096-BLK1) Prepared: 08/14/25 Analyzed: 08/14/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.67 8.00 83.4 70-130 LCS (2533096-BS1) Prepared: 08/14/25 Analyzed: 08/14/25 5.29 5.00 106 70-130 Benzene 0.0250 Ethylbenzene 5.29 0.0250 5.00 106 70-130 5.33 0.0250 5.00 107 70-130 Toluene o-Xylene 5.20 0.0250 5.00 104 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 106 70-130 15.9 15.0 Total Xylenes 0.0250 8.00 83.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.70 Matrix Spike (2533096-MS1) Source: E508151-03 Prepared: 08/14/25 Analyzed: 08/14/25 5.17 0.0250 5.00 ND 70-130 Benzene ND 103 70-130 Ethylbenzene 5.16 0.0250 5.00 Toluene 5.20 0.0250 5.00 ND 104 70-130 5.08 ND 102 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.4 0.0500 10.0 ND 104 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.05 8.00 Matrix Spike Dup (2533096-MSD1) Source: E508151-03 Prepared: 08/14/25 Analyzed: 08/14/25 5.27 0.0250 5.00 ND 70-130 1.87 27 ND 70-130 2.11 5.27 0.0250 5.00 105 26 Ethylbenzene Toluene 5.31 0.0250 5.00 ND 106 70-130 2.00 20 5.21 5.00 ND 104 70-130 2.50 25 o-Xylene 0.0250 23 10.6 10.0 ND 106 70-130 2.00 p,m-Xylene 0.0500 Total Xylenes 15.8 0.0250 15.0 ND 106 70-130 2.16 26

8.00

89.9

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.20

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #1	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/14/2025 3:08:24PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller				8/1	4/2025 3:08:24PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		I	Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2533096-BLK1)							Prepared: 0	8/14/25 Anal	yzed: 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: 0	8/14/25 Anal	yzed: 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: 0	8/14/25 Anal	yzed: 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: 0	8/14/25 Anal	yzed: 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			



Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #1	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Delrae Geller	8/14/2025 3:08:24PM

Plains TX, 79355-0247		Project Manage	r: De	elrae Geller					8/14/2025 3:08:24PM
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	ORO/			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533088-BLK1)							Prepared: 0	8/14/25 A	nalyzed: 08/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.5		50.0		83.0	61-141			
LCS (2533088-BS1)							Prepared: 0	8/14/25 A	nalyzed: 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:	E508149-0	01	Prepared: 0	8/14/25 A	nalyzed: 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:	E508149-0	01	Prepared: 0	8/14/25 A	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			

Pima Environmental Services-Carlsbad PO Box 247	I	Project Name: Project Number:	0	Vest Shugart 29 1058-0007	9 Federal #	1			Reported:
Plains TX, 79355-0247		Project Manager:	: С	Delrae Geller					8/14/2025 3:08:24PM
		Anions	by EPA	300.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533087-BLK1)							Prepared: 0	8/13/25 A	Analyzed: 08/13/25
Chloride	ND	20.0							
LCS (2533087-BS1)							Prepared: 0	8/13/25 A	Analyzed: 08/14/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2533087-MS1)				Source:	E508139-	06	Prepared: 0	8/13/25 A	Analyzed: 08/14/25
Chloride	768	40.0	250	500	107	80-120			
Matrix Spike Dup (2533087-MSD1)				Source:	E508139-	06	Prepared: 0	8/13/25 A	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	Reported:
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.



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Chain of Custody

envirotech Inc.

Printed: 8/14/2025 10:46:07AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	08/14/25 07:1	5	Work	Order ID:	E508149
Phone:	(575) 631-6977	Date Logged In:	08/13/25 14:5	8	Logge	ed In By:	Caitlin Mars
Email:		Due Date:		0 (0 day TAT)		•	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location m	atch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, requ	ested analyses?	No				
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucs:		Yes			Comment	ts/Resolution
Sample T	<u> Furn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		No of container	s not pro	ovided on COC.
Sample (	<u>Cooler</u>				Missing relinqu	ished tii	me from client.
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice?  Note: Thermal preservation is not required, if samples a 15 minutes of sampling	are received within	No				
13. See C	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded in c	omments.			
	<u>Container</u>						
14. Are a	queous VOC samples present?		Yes				
15. Are V	OC samples collected in VOA Vials?		No				
16. Is the	head space less than 6-8 mm (pea sized or less)?		No				
17. Was a	a trip blank (TB) included for VOC analyses?		No				
18. Are n	on-VOC samples collected in the correct container	rs?	Yes				
19. Is the	appropriate volume/weight or number of sample conta	niners collected?	Yes				
Field La							
	field sample labels filled out with the minimum in	formation:	37				
	ample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation		110				
	the COC or field labels indicate the samples were	preserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
	filtration required and/or requested for dissolved r	netals?	No				
<u>Mult</u> ipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiph	ase?	No				
	, does the COC specify which phase(s) is to be ana		NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborat	ory?	No				
	a subcontract laboratory specified by the client and	-		bcontract Lab	· NA		
			1111 50	ocontract Lab	, 1471		
CHERT	<u>nstruction</u>						
1							

Date

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

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 507017

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	507017
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites					
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.						

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, Page 2

Action 507017

QUESTI	ONS (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	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/18/2025

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

QUESTIONS, Page 3

Action 507017

**QUESTIONS** (continued)

| Operator:
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Oklahoma City, OK 73102 | Control Type: | C-141 | Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	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	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	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 which includes the anticipated timelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
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.		

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

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

QUESTIONS, Page 4

Action 507017

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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.)		
Yes		
fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL		
Not answered.		
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

I hereby agree and sign off to the above statement

Title: EHS Professional
Email: jim.raley@dvn.com
Date: 09/18/2025

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

QUESTIONS, Page 5

Action 507017

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	507017
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

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

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

QUESTIONS, Page 6

Action 507017

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	507017
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	489982
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/01/2025
What was the (estimated) number of samples that were to be gathered	22
What was the sampling surface area in square feet	3527

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	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)	Facilty 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.

Name: James Raley
Title: EHS Professional
Email: jim.raley@dvn.com
Date: 09/18/2025

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

QUESTIONS, Page 7

Action 507017

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	507017
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

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

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

CONDITIONS

Action 507017

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	507017
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
scott.rodger	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