



RECLAMATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

January 26, 2026
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2
811 S First St
Artesia, NM 88210

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

RE: Reclamation 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 Reclamation Closure Report for a crude oil release that occurred at the West Shugart 29 Federal #001 (West Shugart). This incident was assigned Incident ID nAB1808253927 by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

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

SITE CHARACTERIZATION

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

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

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

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



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

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

A desktop review of the Shugart was performed and found to not be in range of any Special Status Plant Species. However, this site is located within the Isolated Population Area of the Lesser Prairie Chicken, and Dunes Sage Brush Lizard Habitat. Remediation and reclamation activities strictly adhered to timing restrictions and complied with all requirements listed in the Protection Act regarding these species. A Special Status Plant/Wildlife Map can be referenced in Figure 7.

SITE ASSESSMENT ACTIVITIES

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

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

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

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

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

REMEDIATION ACTIVITIES

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



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

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

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

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

COUNTERMEASURES DUE TO REJECTION

On March 11, 2025, the NMOCD denied the Closure Report citing:

"The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141) for Incident ID (n#) NAB1808253927, for the following reasons:

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

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

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

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

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



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

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

NEW REMEDIATION ACTIVITIES

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

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

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

RECLAMATION ACTIVITIES

Seeding will be completed in April 2026. Devon personnel will monitor vegetative growth to ensure the reclamation activities performed were sufficient. Monitoring will include inspections conducted at least semi-annually until revegetation is considered complete. The inspections will include monitoring and treating the reclamation for unauthorized traffic, erosion, and invasive or noxious weeds. When it has been determined that vegetation has been established that reflects pre-disturbance vegetation cover with a total percent plant cover of greater than 70% of pre-disturbance area levels, excluding invasion or noxious weeds, a final revegetation report will be submitted for review/approval.



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 Reclamation Closure Report for approval. Once NMOCD approves the Reclamation Report, revegetation plan will be submitted for approval.

Should you have any questions or need additional information, please feel free to contact:
Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dvn.com
Pima Environmental – Tom Bynum at 806-724-5391 or delrae@pimaoil.com.

Respectfully,

DelRae Geller

DelRae Geller
Project Manager
Pima Environmental Services, LLC

ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Old Site Map
- 5- Data Tables
- 6- Confirmation Sample Map (A)
- 7- Excavation Map
- 8- Confirmation Sample Map (B)
- 9- Special Status Plant/Wildlife Map

APPENDICES:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



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West Shugart 29 Federal #001 | nAB1808253927

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FIGURES

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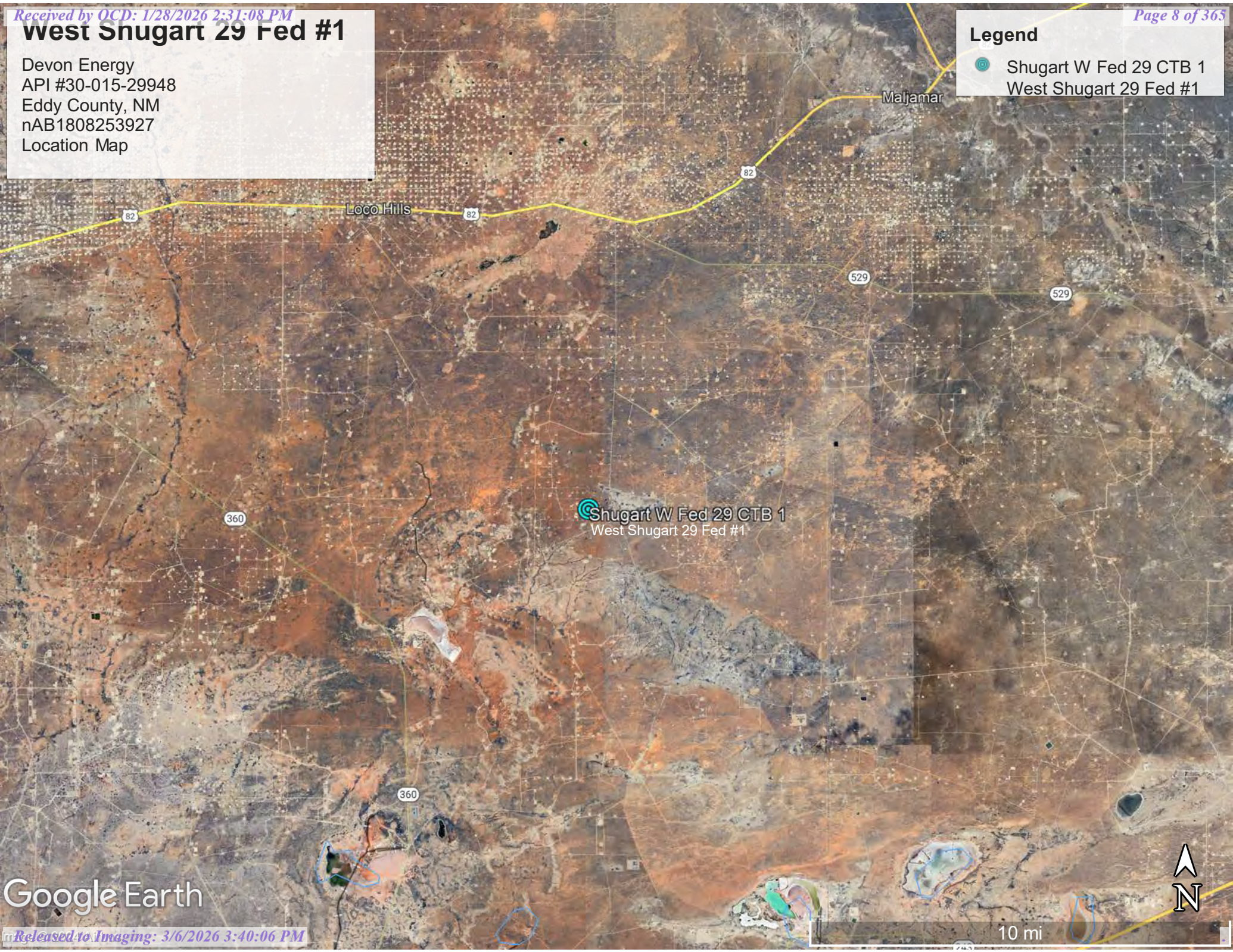
DEVON ENERGY PRODUCTION, LP.

West Shugart 29 Fed #1

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

Legend

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



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

Google Earth



10 mi

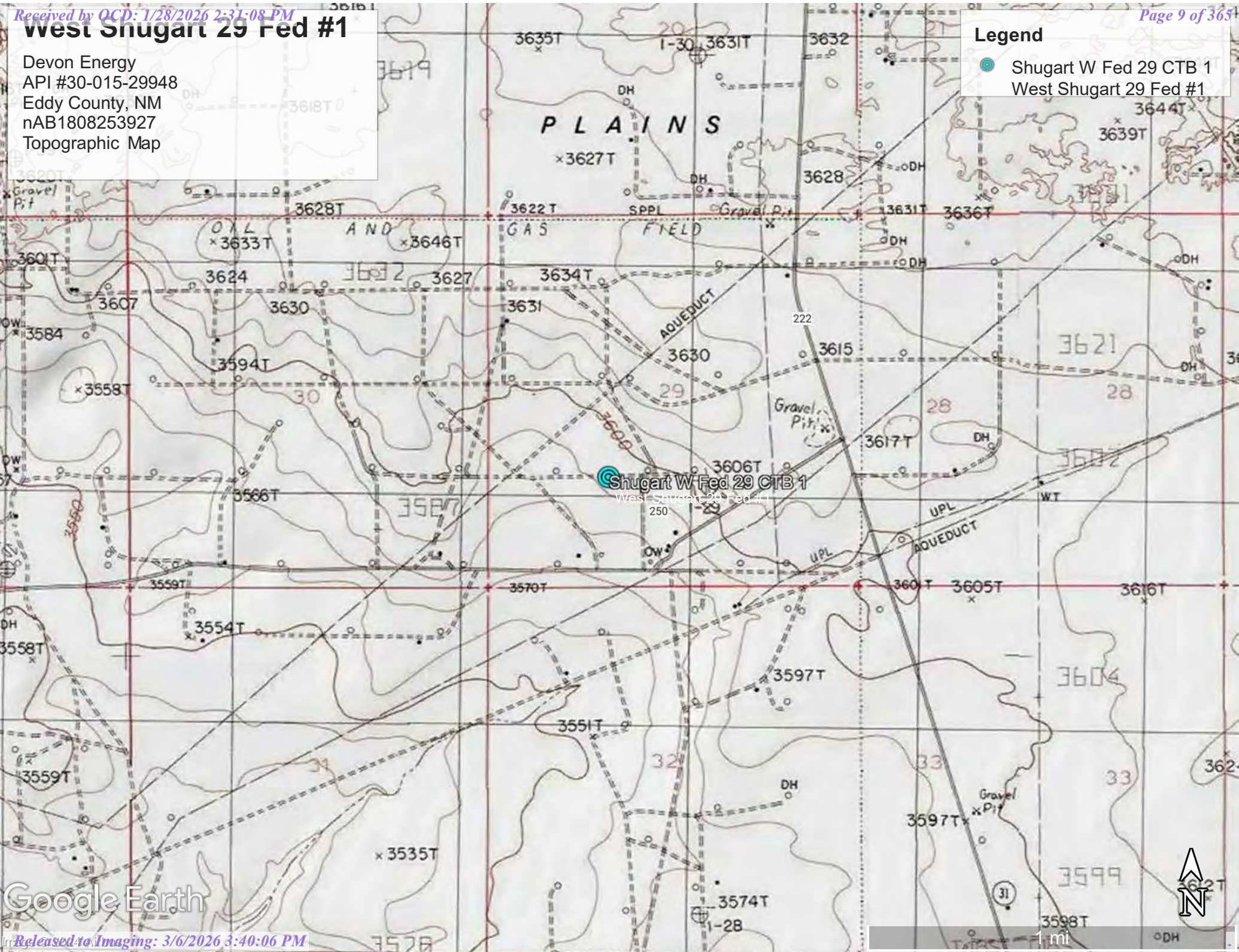


West Shugart 29 Fed #1

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

Legend

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



Google Earth






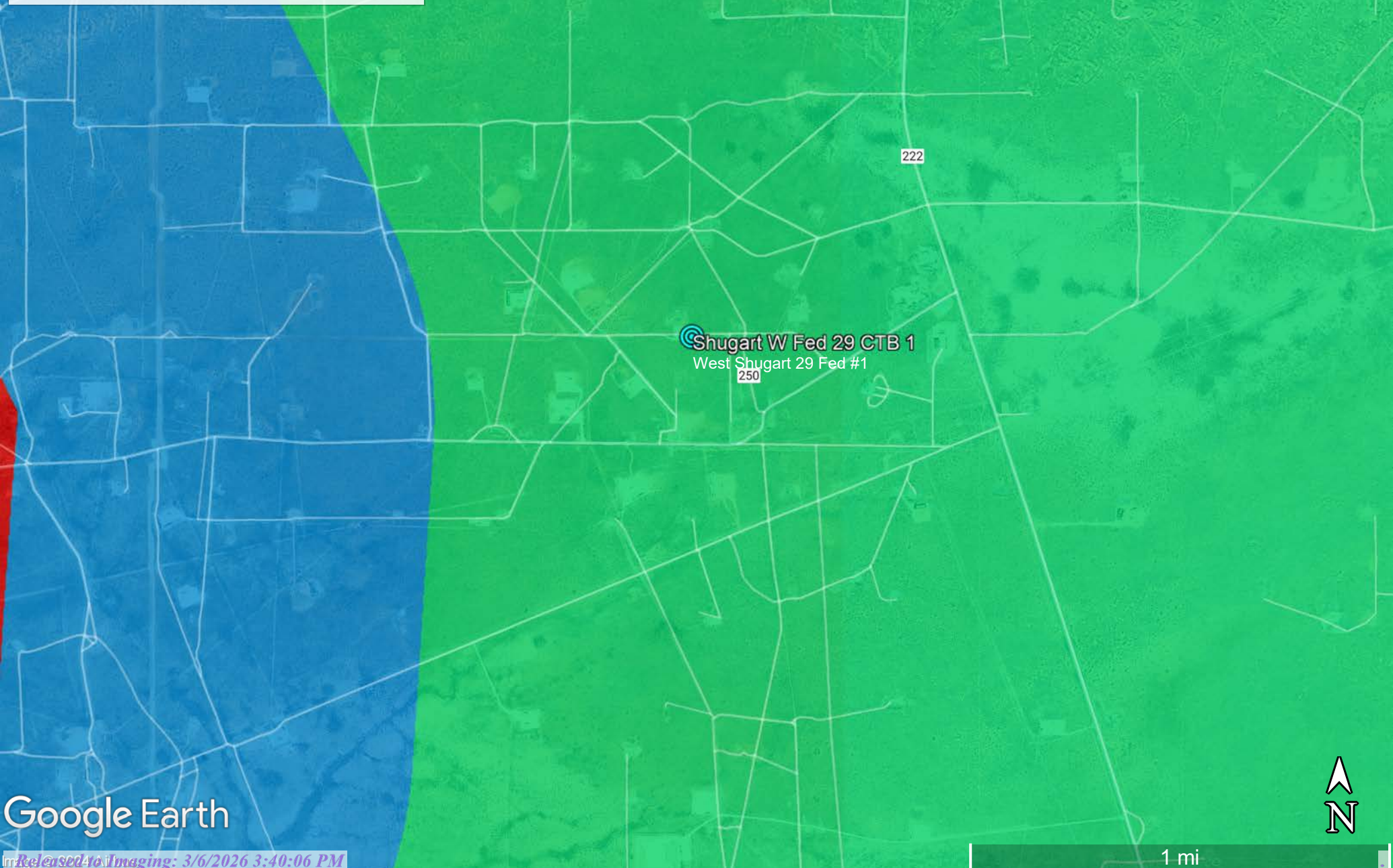
1 mi

West Shugart 29 Fed #1

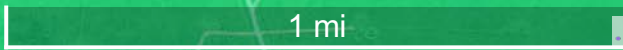
Devon Energy
API #30-015-29948
Eddy County, NM
nAB1808253927
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst










Google Earth




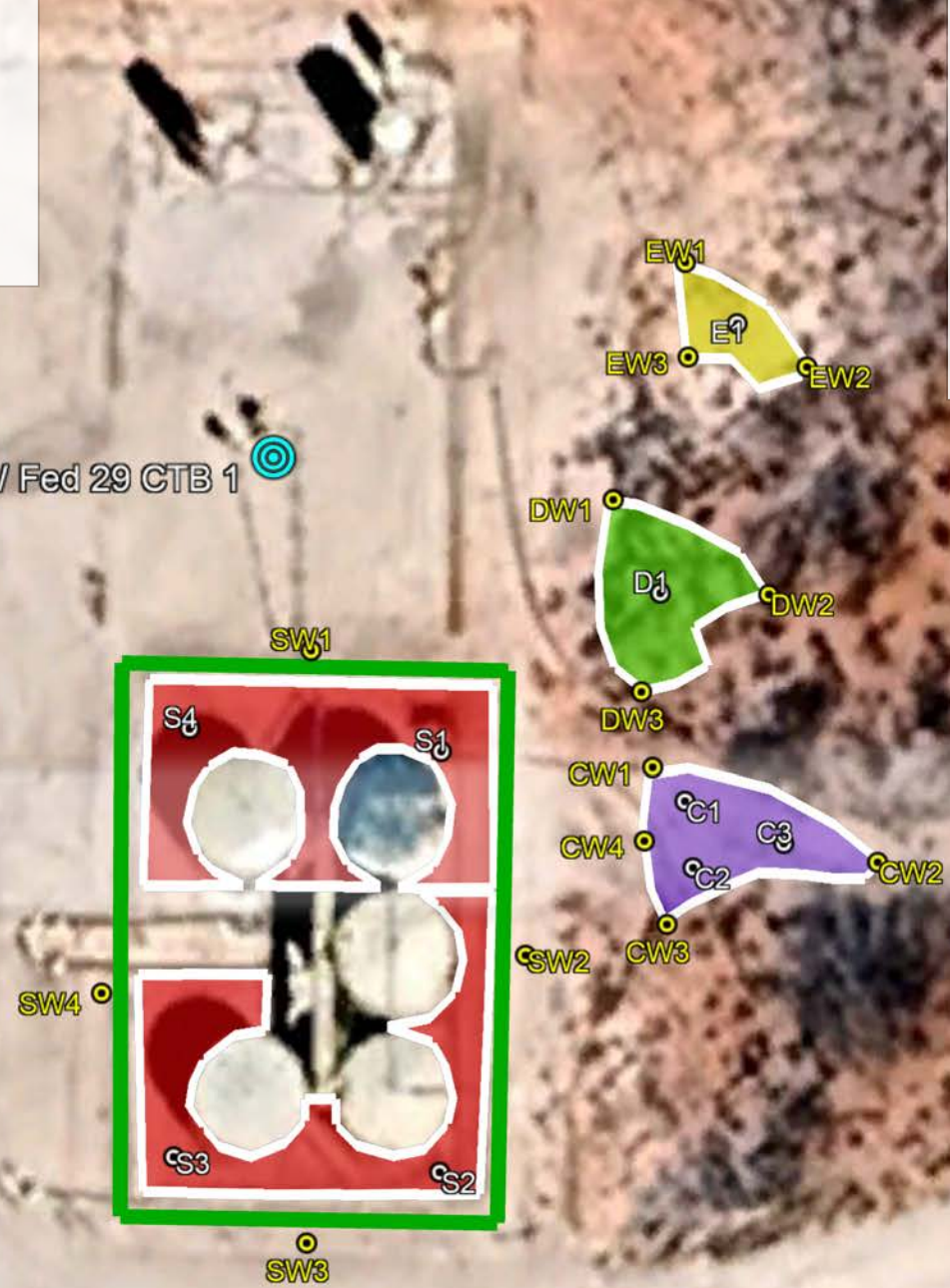
West Shugart 29 Fed #1


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

Legend

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


Shugart W Fed 29 CTB 1 



 32.715313, -103.894521

Google Earth



90 ft 

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

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

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - West Shugart 29 Fed #1 - nAPP2313055690, nAB1808253927								
Date: 6/4/24 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	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

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

DATA TABLE

West Shugart 29 Fed #1

Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #001								
Date: 8-1-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CSW1	5' COMP	ND	ND	ND	ND	ND	ND	ND
CSW2	5' COMP	ND	ND	ND	ND	ND	ND	ND
CSW3	5' COMP	ND	ND	ND	ND	ND	ND	100
CSW4	5' COMP	ND	ND	ND	ND	ND	ND	ND
CS1	5' COMP	ND	ND	ND	ND	ND	ND	20.8
CS2	5' COMP	ND	ND	ND	ND	ND	ND	163
CS3	5' COMP	ND	ND	ND	38.6	72	110.6	4540
CS4	5' COMP	ND	ND	ND	ND	54.1	54.1	156
CS5	5' COMP	ND	ND	ND	65.1	108	173.1	2830
CS6	5' COMP	ND	ND	ND	ND	ND	ND	1950
CS7	5' COMP	ND	ND	ND	ND	ND	ND	258
CS8	5' COMP	ND	ND	ND	ND	ND	ND	397
CS9	5' COMP	ND	ND	ND	127	94	221	2070
CS10	5' COMP	ND	ND	ND	ND	ND	ND	158



Pima Environmental Services, LLC
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575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #001								
Date: 8-1-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS11	5' COMP	ND	ND	ND	28.2	ND	28.2	87.7
CS12	5' COMP	ND	ND	ND	50.1	52	102.1	3460
CS13	5' COMP	ND	ND	ND	84.1	85.9	170	226
CS14	5' COMP	ND	ND	ND	127	167	294	327
CS15	5' COMP	ND	ND	ND	104	117	221	498
CS16	5' COMP	ND	ND	ND	36.3	ND	36.3	25.8
CS17	5' COMP	ND	ND	ND	40.9	ND	40.9	36.9
CS18	5' COMP	ND	ND	ND	116	117	233	953

ND/0-Analyte Not Detected

BACKFILL SOIL SAMPLE RESULTS

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY West Shugart 29 Federal #1								
Date: 8-13-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
Backfill 1	COMP	ND	ND	ND	ND	ND	ND	ND
Backfill 2	COMP	ND	ND	ND	ND	ND	ND	ND

ND/0-Analyte Not Detected







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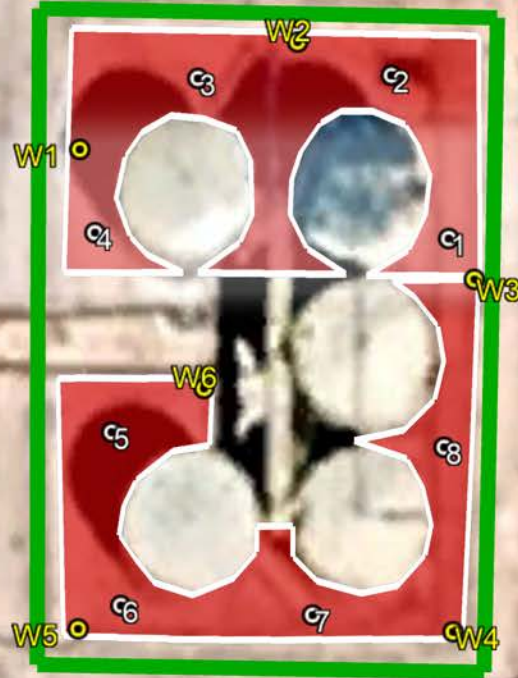
West Shugart 29 Fed #1

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

Legend

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

Shugart W Fed 29 CTB 1 






Google Earth



West Shugart 29 Federal #001

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

Legend

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



Google Earth



West Shugart 29 Federal #001

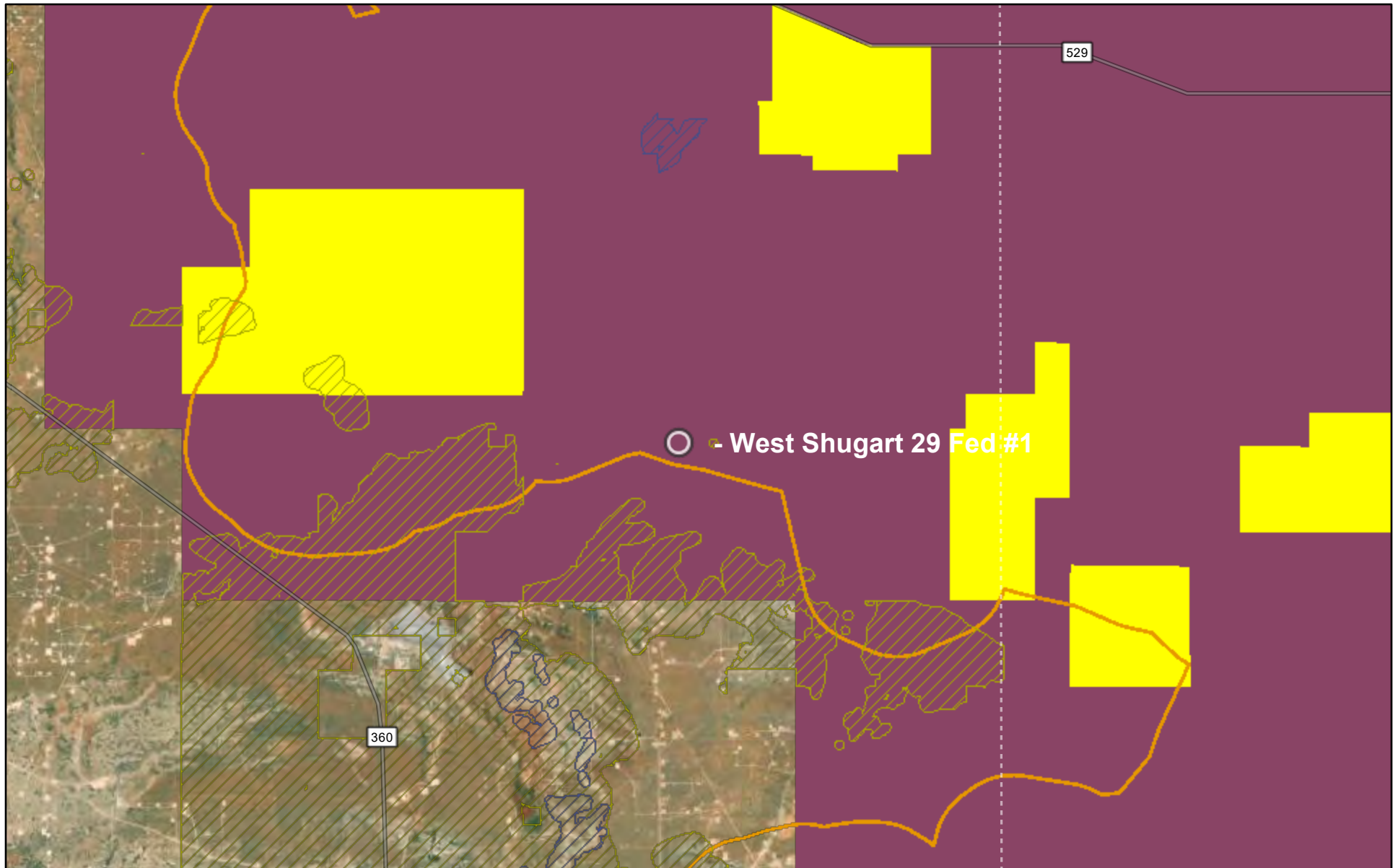
Devon Energy
API #30-015-29948
Eddy County, NM
nAB1808253927
Confirmation Sample Map (B)

Legend

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



Special Status Plant/Wildlife Map



2/21/2025

Potential Habitat (Planning Area Only)

Scheer's beehive cactus

Tharp's blue-star

Dunes Sage Brush Lizard Habitat

Lesser Prairie Chicken Habitat

Habitat Evaluation Area

Isolated Population Area

World Imagery

Low Resolution 15m Imagery

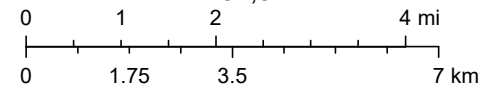
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:152,347



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

APPENDIX A

Water Surveys
Water-Related Maps



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West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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

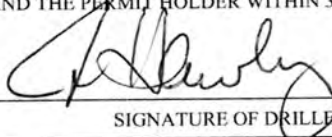
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC			
	DRILLING STARTED 5/14/25	DRILLING ENDED 5/14/25	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry Hole			
	COMPLETED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

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

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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	white cemented caliche	Y <input checked="" type="checkbox"/> N	
	5	10	5	tan sand and caliche mixed	Y <input checked="" type="checkbox"/> N	
	10	20	10	red sand and clay mixed	Y <input checked="" type="checkbox"/> N	
	20	50	30	hard red clay	Y <input checked="" type="checkbox"/> N	
	50	55	5	grayish red clay	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Well bore was drilled on 5/14/25 to 55' bgs, well was gauged on 5/23/25, well bore was dry, casing was removed and the bore was plugged pursuant to approved plugging plan.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley _____ DATE

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



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2060 Pod-1

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

Mailing address: 6488 Seven Rivers Hwy.

City: Artesia State: NM Zip code: 88210




II. WELL PLUGGING INFORMATION:

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

West Shugart 29 Fed #1

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

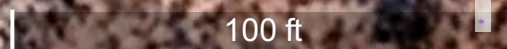
Legend

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

West Shugart 29 Fed #1

CP-02060- POD 1

32.715643, -103.894921





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324241103561201

Minimum number of levels = 1

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

USGS 324241103561201 18S.30E.26.4140

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

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

Land-surface elevation 3,432 feet above NAVD88

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

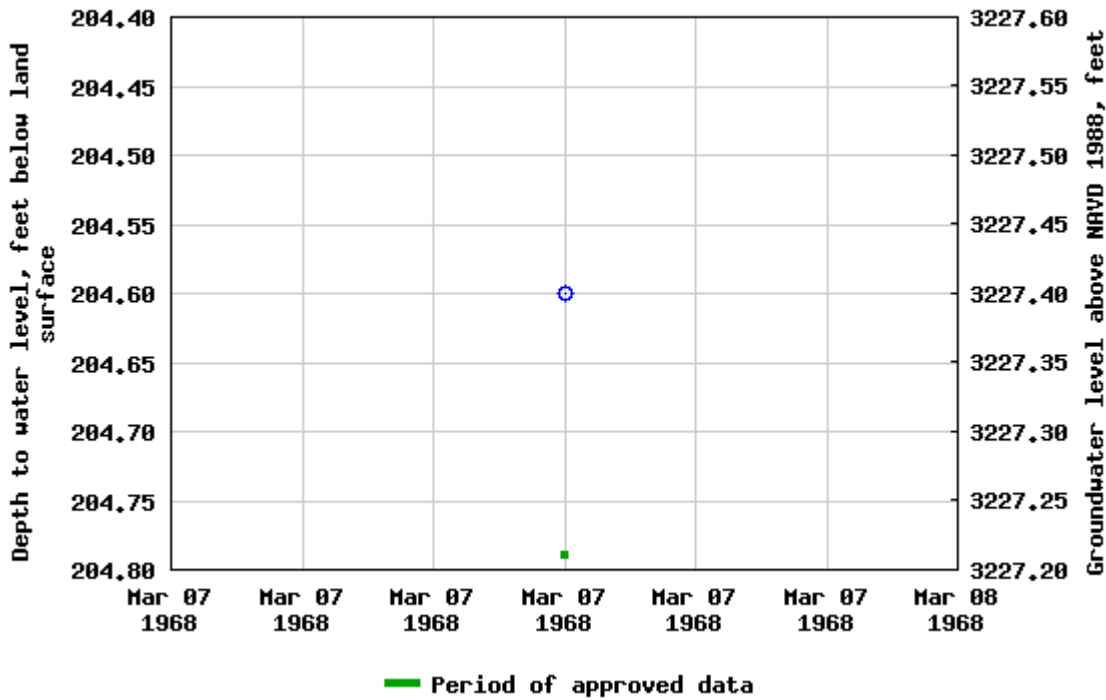
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

Output formats

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

USGS 324241103561201 18S.30E.26.4140



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

[Download a presentation-quality graph](#)

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

Title: Groundwater for USA: Water Levels

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



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

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

0.56 0.48 nadww01





National Water Information System: Mapper

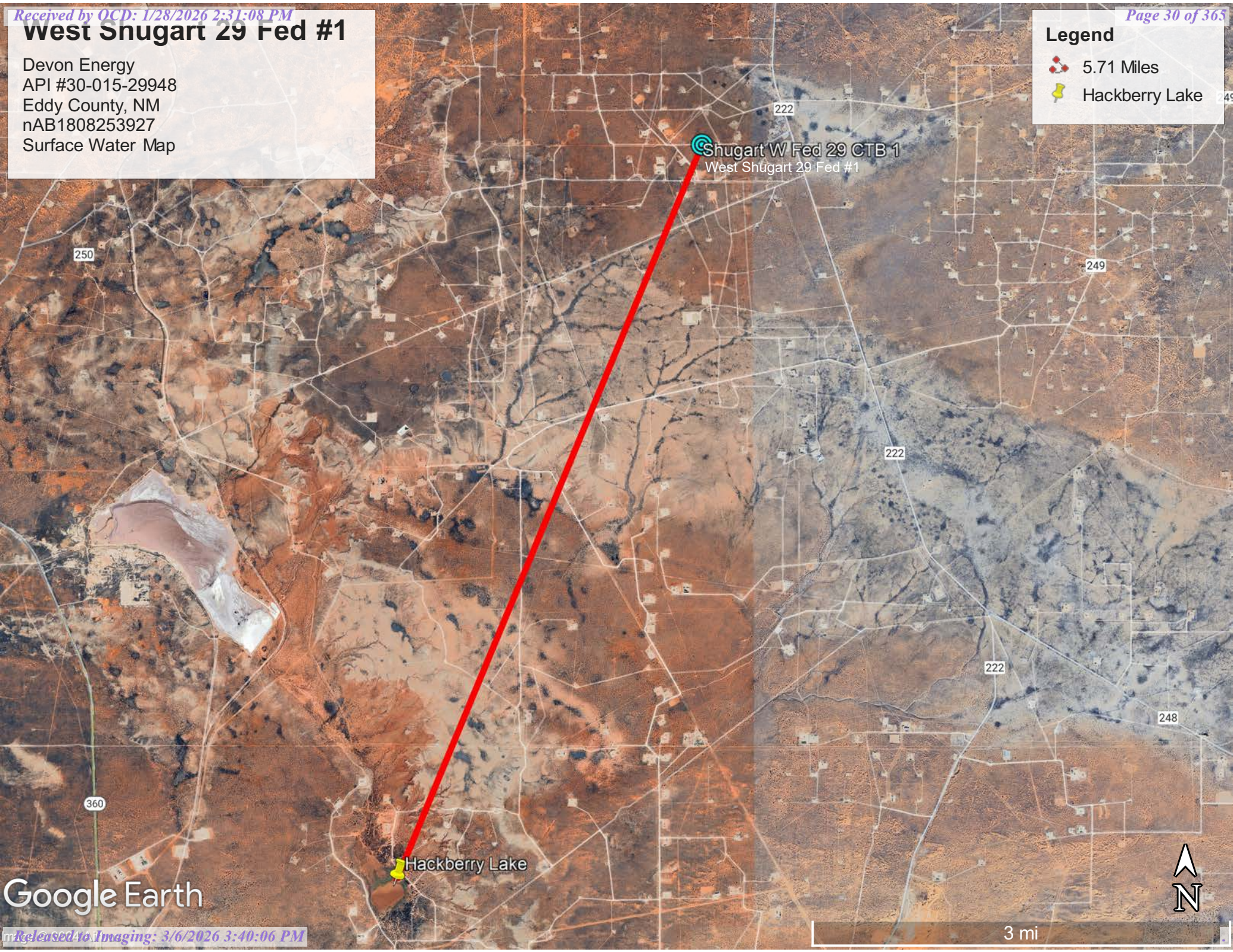


West Shugart 29 Fed #1

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

Legend

-  5.71 Miles
-  Hackberry Lake

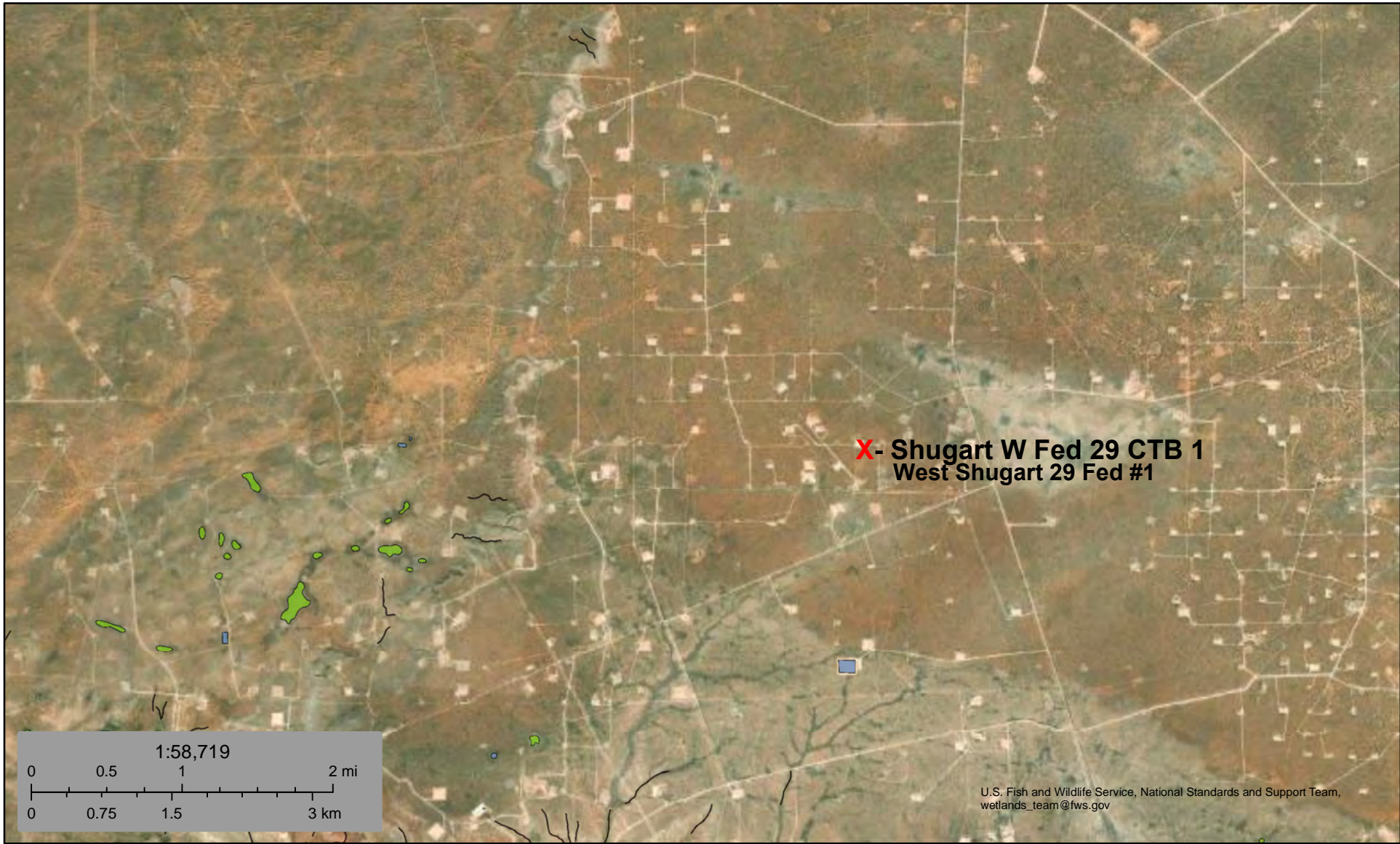


Google Earth

3 mi



Wetlands Map



January 9, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°54'W 32°43'11"N



Legend

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

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| MAP PANELS | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



0 250 500 1,000 1,500 2,000 Feet 1:6,000

103°53'23"W 32°42'41"N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2022 at 1:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent

Minor components: 1 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

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

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

Minor Components

Pajarito

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

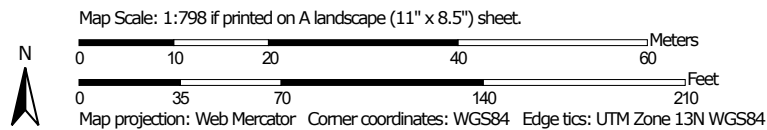
Data Source Information

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

Soil Map—Eddy Area, New Mexico




Soil Map may not be valid at this scale.



Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features





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

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


Water Features

 Streams and Canals

Transportation

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

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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

Soil Map—Eddy Area, New Mexico



Map Unit Legend

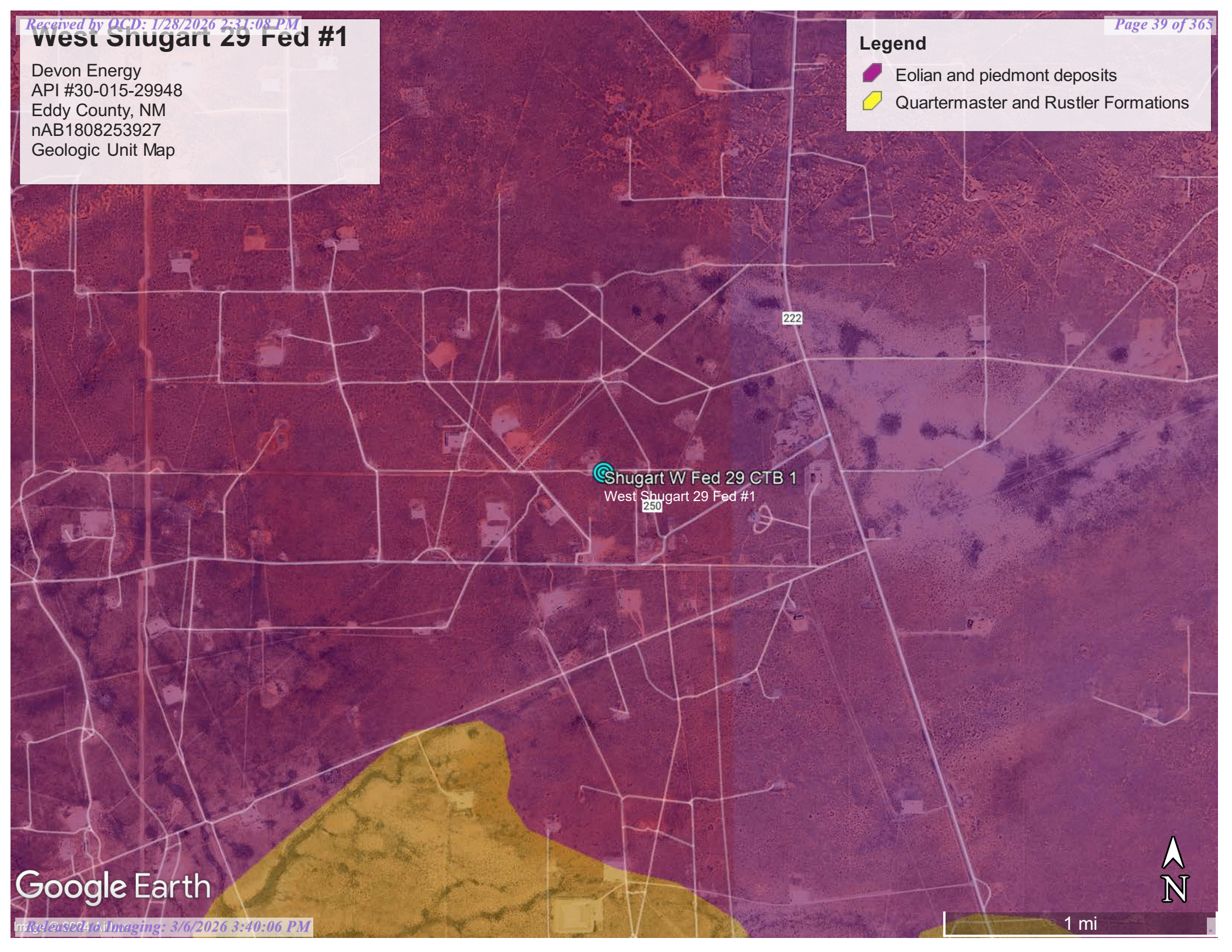
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	2.9	100.0%
Totals for Area of Interest		2.9	100.0%

West Shugart 29 Fed #1

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

Legend

-  Eolian and piedmont deposits
-  Quartermaster and Rustler Formations



Google Earth

1 mi

APPENDIX C

48-Hour Notification



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 433044

QUESTIONS

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

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 433044

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/18/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 489982

QUESTIONS

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

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 489982

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/30/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/30/2025

APPENDIX D

Photographic Documentation

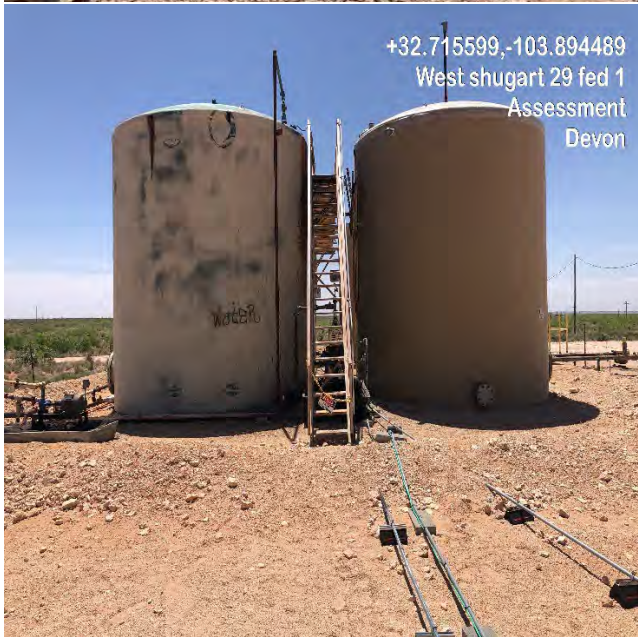


Pima Environmental Services, LLC
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575-964-7740 | www.pimaoil.com

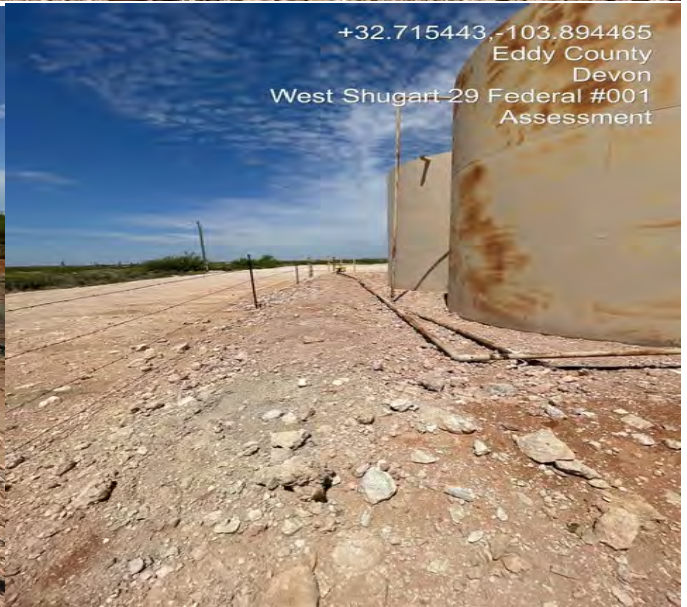
West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.

April -> July 2023





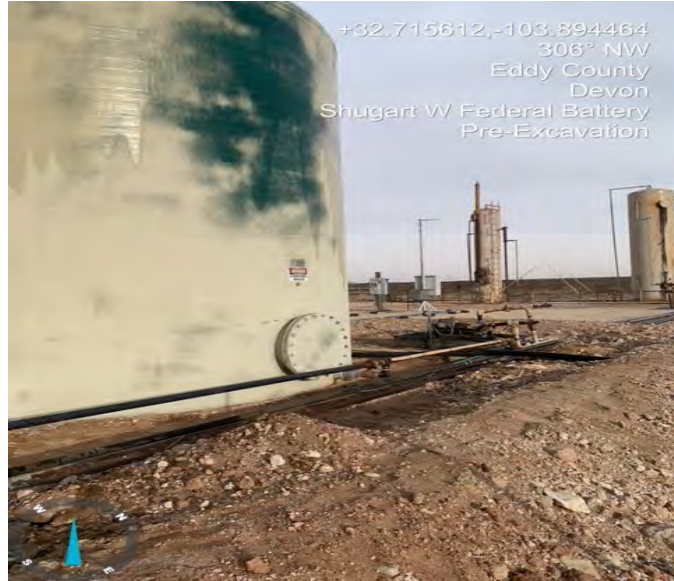


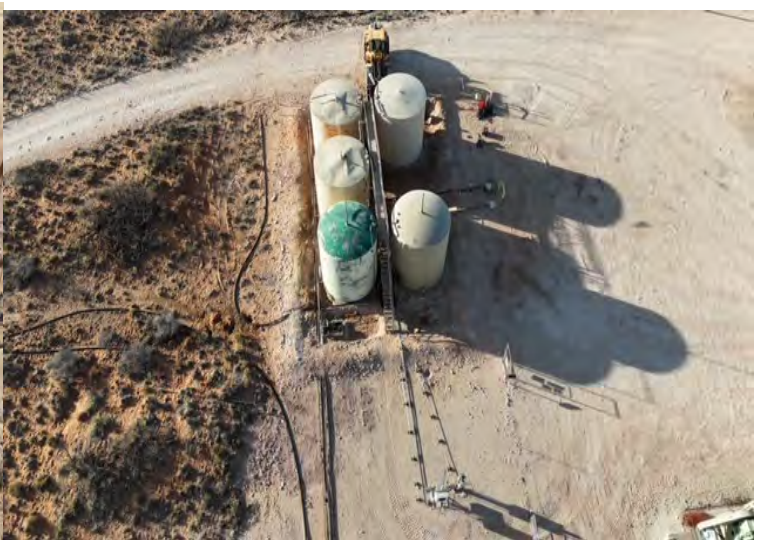
December 2024



February 2025









+32.715428, -103.894612
80° E
Eddy County
Devon
West Shugart 29 Federal Battery
Excavation

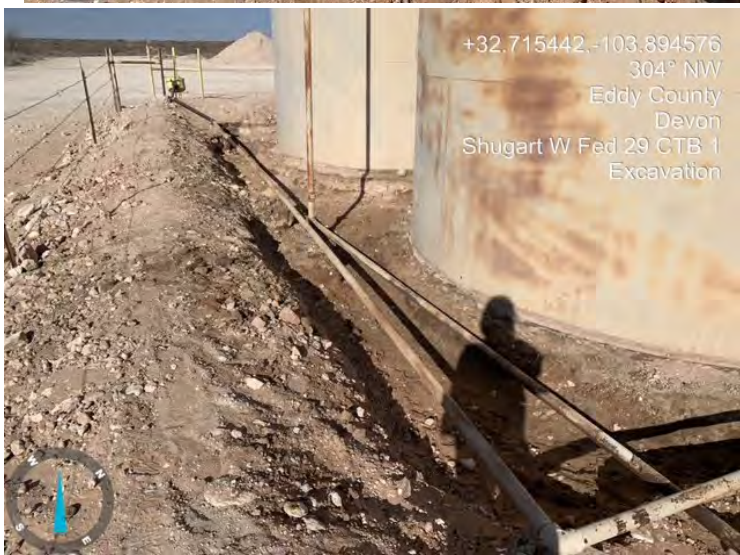


+32.715581, -103.894617
159° S
Eddy County
Devon
West Shugart 29 Federal Battery
Excavation



+32.715581, -103.894617
128° SE
Eddy County
Devon
West Shugart 29 Federal Battery
Excavation







PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

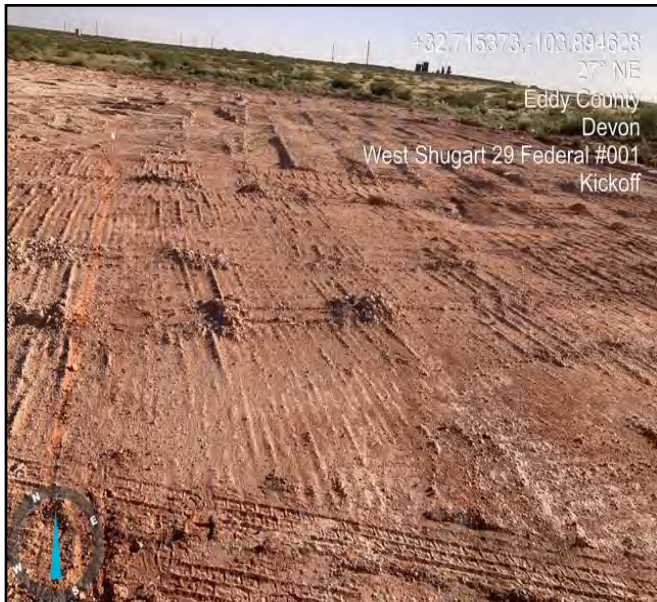
Kick off- Excavation : July 2025



Photograph taken pre- excavation process, facing north.



Photograph taken pre- excavation process, facing east.



Photograph taken pre- excavation process, facing northeast.



Photograph taken pre- excavation process, facing northwest.



Aerial kickoff photos.



Aerial kickoff photos.



Aerial kickoff photos.

PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

Excavation :



Photograph taken during the excavation process facing southeast.



Photograph taken during the excavation process facing southeast.



Photograph taken during the excavation process facing north.



Photograph taken during the excavation process facing northwest.

PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

Post Excavation :



Photograph taken post excavation , facing south.



Photograph taken post excavation , facing west.



Photograph taken post excavation , facing north.



Photograph taken post excavation , facing east.

PHOTOGRAPHIC DOCUMENTATION

NAME: West Shugart 29 Federal #001

Aerial Photos :



Aerial post photos.



Aerial post photos.

APPENDIX E

Laboratory Reports

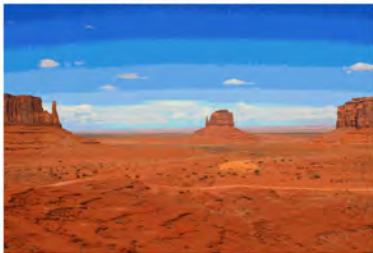


Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

West Shugart 29 Federal #001 | nAB1808253927

DEVON ENERGY PRODUCTION, LP.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305132

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/26/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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

Reported:
05/26/23 08:37

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



Sample Data

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

S1 - 1'

E305132-01

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



Sample Data

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

S1 - 2'

E305132-02

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



Sample Data

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

S1 - 3'

E305132-03

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



Sample Data

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

S1 - 4'

E305132-04

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

S2 - 1'

E305132-05

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

E305132-06

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



Sample Data

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

E305132-07

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



Sample Data

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

E305132-08

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



Sample Data

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

E305132-09

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



Sample Data

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

E305132-10

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



Sample Data

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

E305132-11

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



Sample Data

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

E305132-12

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



Sample Data

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

E305132-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321031
Benzene	0.444	0.125	5	05/23/23	05/25/23	
Ethylbenzene	4.03	0.125	5	05/23/23	05/25/23	
Toluene	1.69	0.125	5	05/23/23	05/25/23	
o-Xylene	4.51	0.125	5	05/23/23	05/25/23	
p,m-Xylene	9.44	0.250	5	05/23/23	05/25/23	
Total Xylenes	13.9	0.125	5	05/23/23	05/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	05/23/23	05/25/23	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		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	
<i>Surrogate: n-Nonane</i>		274 %	50-200	05/23/23	05/25/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	95.5	20.0	1	05/23/23	05/25/23	



Sample Data

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

E305132-14

Analyte	Result	Reporting 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	05/25/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	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)	173	100	5	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		139 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	26.7	20.0	1	05/23/23	05/25/23	



Sample Data

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

E305132-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
o-Xylene	0.343	0.0250	1	05/23/23	05/25/23	
p,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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	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)	22.8	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		139 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	61.2	20.0	1	05/23/23	05/25/23	



Sample Data

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

E305132-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	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)	64.8	20.0	1	05/23/23	05/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/23/23	05/25/23	
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	
<i>Surrogate: n-Nonane</i>		130 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321039
Chloride	32.8	20.0	1	05/23/23	05/25/23	



Sample Data

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

E305132-17

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



Sample Data

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

E305132-18

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



Sample Data

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

E305132-19

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



Sample Data

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

E305132-20

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 8:37:46AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		105	70-130			

LCS (2321031-BS1)

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

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

Matrix Spike (2321031-MS1)

Source: E305132-02

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

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

Matrix Spike Dup (2321031-MSD1)

Source: E305132-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 8:37:46AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321031-BLK1)

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

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

LCS (2321031-BS2)

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

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

Matrix Spike (2321031-MS2)

Source: E305132-02

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

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

Matrix Spike Dup (2321031-MSD2)

Source: E305132-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 8:37:46AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321043-BLK1)

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

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

LCS (2321043-BS1)

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

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

Matrix Spike (2321043-MS1)

Source: E305132-20

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

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

Matrix Spike Dup (2321043-MSD1)

Source: E305132-20

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321039-BLK1)

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

Chloride ND 20.0

LCS (2321039-BS1)

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

Chloride 261 20.0 250 105 90-110

Matrix Spike (2321039-MS1)

Source: E305132-01

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

Chloride 366 20.0 250 113 101 80-120

Matrix Spike Dup (2321039-MSD1)

Source: E305132-01

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

Chloride 368 20.0 250 113 102 80-120 0.531 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 08:37

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>Shogart W Fed. 29 CTB1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:		Attention: <u>Bill To Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>		Lab Use Only Lab WO# <u>E 305132</u> Job Number <u>01058-0007</u>				TAT 1D 2D 3D Standard <u>X</u>			EPA Program CWA SDWA RCRA	
Analysis and Method										State NM CO UT AZ TX		
DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										NM CO UT AZ TX <u>X</u>		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	5/12/23	S	1	S1-1'	1							X		
8:05				S1-2'	2									
8:10				S1-3'	3									
8:15				S1-4'	4									
8:20				S2-1'	5									
8:25				S2-2'	6									
8:30				S2-3'	7									
8:35				S2-4'	8									
8:40				S3-1'	9									
8:45				S3-2'	10									

Additional Instructions: B# 21165851

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

Relinquished by: (Signature) <u>Kerime Adams</u>	Date <u>5/22/23</u> Time <u>200</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u> Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u> Time <u>1730</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>5-22-23</u> Time <u>1600</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>5-22-23</u> Time <u>2400</u>	Received by: (Signature) <u>Caitie Mann</u>	Date <u>5/23/23</u> Time <u>8:15</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 90 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Client: Pima Environmental Services Project: <u>Shugart W Fed. 29 CTBI</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>		Lab Use Only Lab WO# <u>E 305132</u> Job Number <u>01058-0007</u>				TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
				Analysis and Method DRO/ORO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>				State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	5/12/23	S	1	S3-3'	11							X		
8:55				S3-4'	12									
9:00				S4-1'	13									
9:05				S4-2'	14									
9:10				S4-3'	15									
9:15				S4-4'	16									
9:20				SW1	17									
9:25				SW2	18									
9:30				SW3	19									
9:35				SW4	20									

Additional Instructions: B# 21165881

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

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

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Comments/Resolution

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

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/26/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

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

Sample Data

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

E305133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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)	138	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		98.2 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-03

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



Sample Data

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

E305133-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	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)	184	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		134 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.9	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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)	52.0	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-06

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



Sample Data

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

E305133-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

E305133-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/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	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		152 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	33.7	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-10

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



Sample Data

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

E305133-11

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



Sample Data

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

E305133-12

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



Sample Data

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

E305133-13

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



Sample Data

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

E305133-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	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)	278	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		120 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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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		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	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	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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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		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	1.86	0.0500	2	05/23/23	05/24/23	
Toluene	0.0502	0.0500	2	05/23/23	05/24/23	
o-Xylene	1.50	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	4.08	0.100	2	05/23/23	05/24/23	
Total Xylenes	5.58	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7830	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	145 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-17

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



Sample Data

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

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



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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DW2
E305133-19

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



Sample Data

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

E305133-20

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



Sample Data

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

E305133-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	208	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	28.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	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	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	84.6	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		99.4 %	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	



Sample Data

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

E305133-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	145	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	22.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	356	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		145 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	45.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

E305133-26

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		92.9 %	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	



Sample Data

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

E305133-27

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		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	



QC Summary Data

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

Analyst: SL

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

Blank (2321021-BLK1)

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

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

LCS (2321021-BS1)

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

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

Matrix Spike (2321021-MS1)

Source: E305129-27

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

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

Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321033-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

LCS (2321033-BS1)

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

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

Matrix Spike (2321033-MS1)

Source: E305133-01

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

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

Matrix Spike Dup (2321033-MSD1)

Source: E305133-01

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

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



QC Summary Data

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

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321021-BLK1)

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

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

LCS (2321021-BS2)

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

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

Matrix Spike (2321021-MS2)

Source: E305129-27

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

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

Matrix Spike Dup (2321021-MSD2)

Source: E305129-27

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

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



QC Summary Data

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

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321033-BLK1)

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

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

LCS (2321033-BS2)

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

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

Matrix Spike (2321033-MS2)

Source: E305133-01

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

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

Matrix Spike Dup (2321033-MSD2)

Source: E305133-01

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

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



QC Summary Data

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321041-BLK1)

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

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

LCS (2321041-BS1)

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

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

Matrix Spike (2321041-MS1)

Source: E305119-10

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

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

Matrix Spike Dup (2321041-MSD1)

Source: E305119-10

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

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



QC Summary Data

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321042-BLK1)

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

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

LCS (2321042-BS1)

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

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

Matrix Spike (2321042-MS1)

Source: E305133-13

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

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

Matrix Spike Dup (2321042-MSD1)

Source: E305133-13

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321037-BLK1)

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

Chloride	ND	20.0							
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LCS (2321037-BS1)

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

Chloride	248	20.0	250		99.3	90-110			
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Matrix Spike (2321037-MS1)

Source: E305133-21

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

Chloride	277	20.0	250	28.5	99.5	80-120			
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Matrix Spike Dup (2321037-MSD1)

Source: E305133-21

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

Chloride	270	20.0	250	28.5	96.6	80-120	2.70	20	
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QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321038-BLK1)

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

Chloride ND 20.0

LCS (2321038-BS1)

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

Chloride 255 20.0 250 102 90-110

Matrix Spike (2321038-MS1)

Source: E305133-01

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

Chloride 281 20.0 250 22.7 103 80-120

Matrix Spike Dup (2321038-MSD1)

Source: E305133-01

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

Chloride 283 20.0 250 22.7 104 80-120 0.634 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	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: Shugart W Fed. 29CTB1
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

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

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NIM	BGDOC TX	Remarks
9:45	5/12/23	S	1	C1-1'	1							X		
9:50				C1-2'	2									
9:55				C1-3'	3									
10:00				C2-1'	4									
10:05				C2-2'	5									
10:10				C2-3'	6									
10:15				C3-1'	7									
10:20				C3-2'	8									
10:25				C3-3'	9									
10:30				CW1	10									

Additional Instructions: BH 21165881

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

Relinquished by: (Signature) Karime Adams Date 5/22/23 Time 2:00
 Received by: (Signature) [Signature] Date 5-22-23 Time 1400
 Relinquished by: (Signature) [Signature] Date 5-22-23 Time 1730
 Received by: (Signature) Andrew M... Date 5-22-23 Time 1900
 Relinquished by: (Signature) Andrew M... Date 5-22-23 Time 2400
 Received by: (Signature) Cate Man... Date 5/23/23 Time 8:15

Received on ice: (X) N
 T1 T2 T3
 AVG Temp °C 4
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 The report for this analysis is the property of EnviroTech. The report for this analysis is the property of EnviroTech. The report for this analysis is the property of EnviroTech.

Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shogast W. Fed 29 CTB1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:	Bill To Attention: <u>Devon</u>		Lab Use Only Lab WO# <u>E305133</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
	Address: _____ City, State, Zip _____ Phone: _____ Email: _____		Pima Project # <u>205-2</u>		Analysis and Method				RCRA	
	DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0				BGDOC NM BGDOC TX				State NM CO UT AZ TX	
									Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:35	5/12/23	S	1	CW2	11							X		
10:40				CW3	12									
10:45				CW4	13									
10:50				D1-1'	14									
10:55				D1-2'	15									
11:00				D1-3'	16									
11:05				D1-4'	17									
11:10				PW1	18									
11:15				DW2	19									
11:20				DW3	20									

Additional Instructions: Bit 21165881

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

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

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

Sample Matrix: S - Soil, SD - Solid, SG - Sledge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 (Note: Samples are discarded 90 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.)



Project Information

Chain of Custody

Client: Pima Environmental Services	Attention: Bill To DeYon	Lab Use Only		TAT				EPA Program		
Project: Shugar + W Fed. 29 CTB1	Address:	Lab WO# E305133	Job Number 01058-0007	1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum	City, State, Zip	Analysis and Method							RCRA	
Address: 5614 N. Lovington Hwy.	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	
City, State, Zip Hobbs, NM, 88240	Email:	State							Remarks	
Phone: 580-748-1613	Pima Project # 205-2	NM	CO	UT	AZ	TX				
Email: tom@pimaoil.com		<input checked="" type="checkbox"/>								
Report due by:										

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

Additional Instructions: **B# 21165881**

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

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

Relinquished by: (Signature) Karime Adame	Date 5/22/23	Time 2:00	Received by: (Signature) [Signature]	Date 5.22.23	Time 1400	Lab Use Only
Relinquished by: (Signature) [Signature]	Date 5.22.23	Time 1730	Received by: (Signature) Andrew M...so	Date 5.22.23	Time 1900	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) Andrew M...so	Date 5.22.23	Time 2400	Received by: (Signature) Cathy Tran	Date 5/23/23	Time 8:15	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C 4
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instructions.

Comments/Resolution

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

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/26/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: Shugart W Fed 29 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

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

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

Reported:
05/26/23 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.



Sample Data

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

E305133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	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)	138	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		98.2 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-03

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



Sample Data

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

E305133-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.9 %	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)	184	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		134 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.9	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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)	52.0	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		108 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-06

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



Sample Data

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

E305133-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

E305133-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/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	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		152 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	33.7	20.0	1	05/23/23	05/24/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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CW1
E305133-10

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



Sample Data

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

E305133-11

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



Sample Data

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

E305133-12

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



Sample Data

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

E305133-13

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



Sample Data

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

E305133-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	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)	278	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		120 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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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		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	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	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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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		Analyst: SL		Batch: 2321033
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	1.86	0.0500	2	05/23/23	05/24/23	
Toluene	0.0502	0.0500	2	05/23/23	05/24/23	
o-Xylene	1.50	0.0500	2	05/23/23	05/24/23	
p,m-Xylene	4.08	0.100	2	05/23/23	05/24/23	
Total Xylenes	5.58	0.0500	2	05/23/23	05/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	206	40.0	2	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7830	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
<i>Surrogate: n-Nonane</i>						
	145 %	50-200		05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	46.7	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-17

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



Sample Data

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

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



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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DW2
E305133-19

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



Sample Data

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

E305133-20

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



Sample Data

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

E305133-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	208	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		117 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		99.8 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		111 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	28.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	ND	0.0500	2	05/23/23	05/25/23	
Toluene	ND	0.0500	2	05/23/23	05/25/23	
o-Xylene	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	
<i>Surrogate: Bromofluorobenzene</i>						
		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	84.6	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		111 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		98.6 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		105 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		99.4 %	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	



Sample Data

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

E305133-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	145	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>						
		114 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		102 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>						
		109 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	22.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

E305133-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: Bromofluorobenzene</i>		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	356	40.0	2	05/23/23	05/25/23	
<i>Surrogate: Bromofluorobenzene</i>		122 %	70-130	05/23/23	05/25/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	05/23/23	05/25/23	
<i>Surrogate: Toluene-d8</i>		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>		145 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	45.5	20.0	1	05/23/23	05/24/23	



Sample Data

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

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

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

E305133-26

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		92.9 %	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	



Sample Data

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

E305133-27

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/23/23	05/24/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	05/23/23	05/24/23	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	05/23/23	05/24/23	
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	
<i>Surrogate: n-Nonane</i>		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	



QC Summary Data

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

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321021-BLK1)

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

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

LCS (2321021-BS1)

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

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

Matrix Spike (2321021-MS1)

Source: E305129-27

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

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

Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W Fed 29 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/26/2023 2:49:17PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321033-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

LCS (2321033-BS1)

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

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

Matrix Spike (2321033-MS1)

Source: E305133-01

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

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

Matrix Spike Dup (2321033-MSD1)

Source: E305133-01

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

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



QC Summary Data

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

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321021-BLK1)

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

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

LCS (2321021-BS2)

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

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

Matrix Spike (2321021-MS2)

Source: E305129-27

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

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

Matrix Spike Dup (2321021-MSD2)

Source: E305129-27

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

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



QC Summary Data

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

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321033-BLK1)

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

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

LCS (2321033-BS2)

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

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

Matrix Spike (2321033-MS2)

Source: E305133-01

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

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

Matrix Spike Dup (2321033-MSD2)

Source: E305133-01

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

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



QC Summary Data

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321041-BLK1)

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

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

LCS (2321041-BS1)

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

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

Matrix Spike (2321041-MS1)

Source: E305119-10

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

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

Matrix Spike Dup (2321041-MSD1)

Source: E305119-10

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

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



QC Summary Data

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321042-BLK1)

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

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

LCS (2321042-BS1)

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

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

Matrix Spike (2321042-MS1)

Source: E305133-13

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

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

Matrix Spike Dup (2321042-MSD1)

Source: E305133-13

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321037-BLK1)

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

Chloride ND 20.0

LCS (2321037-BS1)

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

Chloride 248 20.0 250 99.3 90-110

Matrix Spike (2321037-MS1)

Source: E305133-21

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

Chloride 277 20.0 250 28.5 99.5 80-120

Matrix Spike Dup (2321037-MSD1)

Source: E305133-21

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

Chloride 270 20.0 250 28.5 96.6 80-120 2.70 20



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321038-BLK1)

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

Chloride ND 20.0

LCS (2321038-BS1)

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

Chloride 255 20.0 250 102 90-110

Matrix Spike (2321038-MS1)

Source: E305133-01

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

Chloride 281 20.0 250 22.7 103 80-120

Matrix Spike Dup (2321038-MSD1)

Source: E305133-01

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

Chloride 283 20.0 250 22.7 104 80-120 0.634 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	
PO Box 247	Project Number:	01058-0007	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: Shogart W Fed. 29CTB1
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

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

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NIM	BGDOC TX	Remarks
9:45	5/12/23	S	1	C1-1'	1							X		
9:50				C1-2'	2									
9:55				C1-3'	3									
10:00				C2-1'	4									
10:05				C2-2'	5									
10:10				C2-3'	6									
10:15				C3-1'	7									
10:20				C3-2'	8									
10:25				C3-3'	9									
10:30				CW1	10									

Additional Instructions: BH 21165881

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

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

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

Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shogast W. Fed 29 CTB1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:	Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>	Lab Use Only Lab WO# <u>E305133</u> Job Number <u>01058-0007</u>	TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>
Analysis and Method DRO/ORO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> BGDOC NM <input checked="" type="checkbox"/> BGDOC TX <input type="checkbox"/>				
State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				
Remarks				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:35	5/12/23	S	1	CW2	11							<input checked="" type="checkbox"/>		
10:40				CW3	12									
10:45				CW4	13									
10:50				D1-1'	14									
10:55				D1-2'	15									
10:00				D1-3'	16									
11:05				D1-4'	17									
10:10				PW1	18									
11:15				DW2	19									
11:20				DW3	20									

Additional Instructions: Bit 21165881

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

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

Sample Matrix: S - Soil, SD - Solid, SG - Sledge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 (Note: Samples are discarded 90 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.)



Project Information

Chain of Custody

Client: Pima Environmental Services		Attention: Bill To DeYon		Lab Use Only				TAT				EPA Program	
Project: Shugar + W Fed. 29 CTB1		Address:		Lab WO# E305133		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		City, State, Zip		Analysis and Method									
Address: 5614 N. Lovington Hwy.		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	RCRA	
City, State, Zip Hobbs, NM, 88240		Email:		State								Remarks	
Phone: 580-748-1613		Pima Project # 205-2		NM	CO	UT	AZ	TX					
Email: tom@pimaoil.com													
Report due by:													

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

Additional Instructions: **B# 21165881**

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

Relinquished by: (Signature) Karime Adame	Date 5/22/23	Time 2:00	Received by: (Signature) [Signature]	Date 5.22.23	Time 1400	Lab Use Only
Relinquished by: (Signature) [Signature]	Date 5.22.23	Time 1730	Received by: (Signature) Andrew M...so	Date 5.22.23	Time 1900	Received on ice: (Y) N
Relinquished by: (Signature) Andrew M...so	Date 5.22.23	Time 2400	Received by: (Signature) Cathy Tran	Date 5/23/23	Time 8:15	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C 4
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Comments/Resolution

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

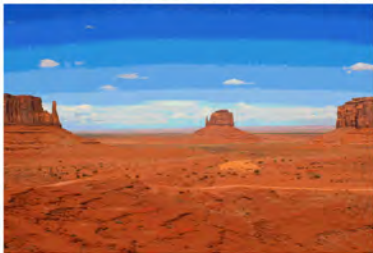
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 6/7/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 06/07/23 15:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.



Sample Data

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

E306002-01

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



Sample Data

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

E306002-02

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



Sample Data

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

E306002-03

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



Sample Data

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

E306002-04

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



Sample Data

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

E306002-05

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



Sample Data

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

E306002-06

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



Sample Data

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

E306002-07

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



Sample Data

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

E306002-08

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322039-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

LCS (2322039-BS1)

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

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

Matrix Spike (2322039-MS1)

Source: E306001-02

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

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

Matrix Spike Dup (2322039-MSD1)

Source: E306001-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322039-BLK1)

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

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

LCS (2322039-BS2)

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

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

Matrix Spike (2322039-MS2)

Source: E306001-02

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

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

Matrix Spike Dup (2322039-MSD2)

Source: E306001-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322051-BLK1)

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

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

LCS (2322051-BS1)

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

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

Matrix Spike (2322051-MS1)

Source: E306001-01

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

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

Matrix Spike Dup (2322051-MSD1)

Source: E306001-01

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2323005-BLK1)

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

Chloride ND 20.0

LCS (2323005-BS1)

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

Chloride 259 20.0 250 104 90-110

Matrix Spike (2323005-MS1)

Source: E306003-01

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

Chloride 271 200 250 ND 109 80-120

Matrix Spike Dup (2323005-MSD1)

Source: E306003-01

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

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

QC Summary Report Comment:

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



Definitions and Notes

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

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>West Shugart 29 Feb. #001</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-205-2</u>		Lab Use Only Lab WO# <u>F 306002</u> Job Number <u>0058-0007</u> Analysis and Method		TAT 1D 2D 3D Standard <u>X</u>			EPA Program CWA SDWA RCRA	
				DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX <u>X</u>		Remarks		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
7:00	5/26/23	S	1	S1-6'	1							X		
7:05				S1-7'	2									
7:10				S2-7'	3									
7:15				S2-8'	4									
7:20				S3-6'	5									
7:25				S3-8'	6									
7:30				S4-6'	7									
7:35 ^{Am}				S4-7	8									

Additional Instructions: B# 211658P1

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

Relinquished by: (Signature) <u>Karine Adams</u>	Date <u>5/31/23</u>	Time <u>200</u>	Received by: (Signature) <u>Nichelle Gonzales</u>	Date <u>5-31-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Nichelle Gonzales</u>	Date <u>5-31-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>5-31-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>5-31-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Caitlin Marx</u>	Date <u>6/1/23</u>	Time <u>8:45</u>	

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 6/7/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 06/07/23 15:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.



Sample Data

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

E306002-01

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



Sample Data

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

E306002-02

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



Sample Data

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

E306002-03

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



Sample Data

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

E306002-04

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



Sample Data

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

E306002-05

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



Sample Data

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

E306002-06

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



Sample Data

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

E306002-07

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



Sample Data

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

E306002-08

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322039-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

LCS (2322039-BS1)

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

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

Matrix Spike (2322039-MS1)

Source: E306001-02

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

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

Matrix Spike Dup (2322039-MSD1)

Source: E306001-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322039-BLK1)

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

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

LCS (2322039-BS2)

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

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

Matrix Spike (2322039-MS2)

Source: E306001-02

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

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

Matrix Spike Dup (2322039-MSD2)

Source: E306001-02

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/7/2023 3:22:28PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322051-BLK1)

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

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

LCS (2322051-BS1)

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

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

Matrix Spike (2322051-MS1)

Source: E306001-01

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

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

Matrix Spike Dup (2322051-MSD1)

Source: E306001-01

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2323005-BLK1)

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

Chloride ND 20.0

LCS (2323005-BS1)

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

Chloride 259 20.0 250 104 90-110

Matrix Spike (2323005-MS1)

Source: E306003-01

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

Chloride 271 200 250 ND 109 80-120

Matrix Spike Dup (2323005-MSD1)

Source: E306003-01

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

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

QC Summary Report Comment:

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



Definitions and Notes

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

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: West Shugart 29 Feb. #001 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-205-2		Lab Use Only Lab WO# F 306002 Job Number Q058-0007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
7:00	5/26/23	S	1	S1-6'	1							X		
7:05				S1-7'	2									
7:10				S2-7'	3									
7:15				S2-8'	4									
7:20				S3-6'	5									
7:25				S3-8'	6									
7:30				S4-6'	7									
7:35 ^{Am}				S4-7	8									

Additional Instructions: B# 211658P1

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

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

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W 29 Fed 1

Work Order: E306128

Job Number: 01058-0007

Received: 6/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/21/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 6/21/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

The analytical test results summarized in this report with the Project Name: Shugart W 29 Fed 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 06/21/23 17:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 5'	E306128-01A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S2 - 5'	E306128-02A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S1 - 6'	E306128-03A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S2 - 6'	E306128-04A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S3 - 5'	E306128-05A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S3 - 6'	E306128-06A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S4 - 5'	E306128-07A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
S4 - 6'	E306128-08A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C1 - 4'	E306128-09A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C2 - 4'	E306128-10A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C1 - 6'	E306128-11A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C2 - 6'	E306128-12A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C3 - 4'	E306128-13A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
C3 - 6'	E306128-14A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
D1 - 5'	E306128-15A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
D1 - 6'	E306128-16A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
E1 - 5'	E306128-17A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.
E1 - 6'	E306128-18A	Soil	06/14/23	06/16/23	Glass Jar, 2 oz.

Sample Data

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

E306128-01

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



Sample Data

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

E306128-02

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



Sample Data

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

E306128-03

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



Sample Data

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

E306128-04

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



Sample Data

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

E306128-05

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



Sample Data

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

E306128-06

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



Sample Data

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

E306128-07

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



Sample Data

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

E306128-08

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



Sample Data

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

E306128-09

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



Sample Data

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

E306128-10

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



Sample Data

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

E306128-11

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



Sample Data

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

E306128-12

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



Sample Data

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

E306128-13

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



Sample Data

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

E306128-14

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



Sample Data

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

E306128-15

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



Sample Data

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

E306128-16

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



Sample Data

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

E306128-17

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



Sample Data

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

E306128-18

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/21/2023 5:01:31PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324063-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

LCS (2324063-BS1)

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

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

Matrix Spike (2324063-MS1)

Source: E306128-10

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

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

Matrix Spike Dup (2324063-MSD1)

Source: E306128-10

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/21/2023 5:01:31PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324063-BLK1)

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

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

LCS (2324063-BS2)

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

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

Matrix Spike (2324063-MS2)

Source: E306128-10

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

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

Matrix Spike Dup (2324063-MSD2)

Source: E306128-10

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shugart W 29 Fed 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/21/2023 5:01:31PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325018-BLK1)

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

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

LCS (2325018-BS1)

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

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

Matrix Spike (2325018-MS1)

Source: E306128-14

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

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

Matrix Spike Dup (2325018-MSD1)

Source: E306128-14

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

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



QC Summary Data

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

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325012-BLK1)

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

Chloride	ND	20.0							
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LCS (2325012-BS1)

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

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

Source: E306128-01

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

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

Source: E306128-01

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

Chloride	376	20.0	250	220	62.6	80-120	7.31	20	M2
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QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shugart W 29 Fed 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/23 17:01

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <i>Shogret W 29 Pal 1</i> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <i>Debra</i> Address: City, State, Zip Phone: Email: Pima Project # <i>205-2</i>		Lab Use Only Lab WO# <i>E306128</i> Job Number <i>01058-007</i> Analysis and Method		TAT 1D 2D 3D Standard <input checked="" type="checkbox"/>			EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/>	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
<i>Am 800</i>	<i>6/16/23</i>	<i>S</i>	<i>1</i>	<i>S1-5'</i>	<i>1</i>							<input checked="" type="checkbox"/>		
<i>805</i>			<i>2</i>	<i>S2-5'</i>	<i>2</i>									
<i>810</i>			<i>3</i>	<i>S1-6'</i>	<i>3</i>									
<i>815</i>			<i>4</i>	<i>S2-6'</i>	<i>4</i>									
<i>820</i>			<i>5</i>	<i>S3-5'</i>	<i>5</i>									
<i>825</i>			<i>6</i>	<i>S3-6'</i>	<i>6</i>									
<i>830</i>			<i>7</i>	<i>S4-5'</i>	<i>7</i>									
<i>835</i>			<i>8</i>	<i>S4-6'</i>	<i>8</i>									
<i>840</i>			<i>9</i>	<i>C1-4'</i>	<i>9</i>									
<i>845</i>			<i>10</i>	<i>C2-4'</i>	<i>10</i>									

Additional Instructions: *Bill # 21165881*

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

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

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

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



Client: Pima Environmental Services Project: Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <i>Daniel</i> Address: City, State, Zip Phone: Email: Pima Project # 205-2		Lab Use Only Lab Work # <i>E306128</i> Job Number <i>1058-0007</i>		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
---	--	--	--	--	--	---------------------------------	--	--	-------------------------------------	--

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

Additional Instructions: *Bill # 21165881*

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

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

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

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad	Date Received: 06/16/23 07:35	Work Order ID: E306128
Phone: (575) 631-6977	Date Logged In: 06/16/23 08:58	Logged In By: Caitlin Mars
Email: tom@pimaoil.com	Due Date: 06/22/23 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

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

Client Instruction

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

Date



envirotech Inc.

Client: Pima Environmental Services		Bill To		Lab Use Only			TAT			EPA Program		
Project: <u>Shogert W 29 Jul 1</u>		Attention: <u>Debra</u>		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		<u>E3010/28</u>	<u>01058-0007</u>					<u>X</u>		
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method								
City, State, Zip: <u>Hobbs, NM, 88240</u>		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	RCRA
Phone: <u>580-748-1613</u>		Email:		State								
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>205-2</u>		NM CO UT AZ TX								
Report due by:				<u>X</u>								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
<u>Am</u> <u>800</u>	<u>6/15/23</u>	<u>S</u>	<u>1</u>	<u>S1-5'</u>	<u>1</u>							<u>X</u>		<u>Corrected # of Containers 6/16/23 CM</u>
<u>805</u>			<u>1</u>	<u>S2-5'</u>	<u>2</u>									
<u>810</u>			<u>1</u>	<u>S1-6'</u>	<u>3</u>									
<u>815</u>			<u>1</u>	<u>S2-6'</u>	<u>4</u>									
<u>820</u>			<u>1</u>	<u>S3-5'</u>	<u>5</u>									
<u>825</u>			<u>1</u>	<u>S3-6'</u>	<u>6</u>									
<u>830</u>			<u>1</u>	<u>S4-5'</u>	<u>7</u>									
<u>835</u>			<u>1</u>	<u>S4-6'</u>	<u>8</u>									
<u>840</u>			<u>1</u>	<u>C1-4'</u>	<u>9</u>									
<u>845</u>			<u>1</u>	<u>C2-4'</u>	<u>10</u>									

Additional Instructions: Billig # 21165881

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shugart W 29 Fed 1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: <u>Daniel</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>		Lab Use Only Lab Work: <u>E3060128</u> Job Number: <u>01058-P007</u>		TAT 1D 2D 3D Standard		EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX		Remarks	

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

Additional Instructions: Bill # 21165881

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

Relinquished by: (Signature) <u>[Signature]</u>			Date: <u>6/15/23</u>	Time: <u>2:30</u>	Received by: (Signature) <u>[Signature]</u>			Date: <u>6/15/23</u>	Time: <u>1:30</u>	Lab Use Only		
Relinquished by: (Signature) <u>[Signature]</u>			Date: <u>6-15-23</u>	Time: <u>1715</u>	Received by: (Signature) <u>[Signature]</u>			Date: <u>6-15-23</u>	Time: <u>1730</u>	Received on ice: <u>Y/N</u>		
Relinquished by: (Signature) <u>[Signature]</u>			Date: <u>6-16-23</u>	Time: <u>2400</u>	Received by: (Signature) <u>[Signature]</u>			Date: <u>6/16/23</u>	Time: <u>7:35</u>	T1: T2: T3:		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			AVG Temp °C: <u>4</u>						

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





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

June 12, 2024

GIO GOMEZ

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: WEST SHUGART 29 FEDERAL BATTERY

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204		
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38		
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204		
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38		
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND						

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

Sample ID: CW 4 (0-4') (H243255-08)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: DW 3 (0-4') (H243255-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: DW 4 (0-4') (H243255-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: EW 1 (0-4') (H243255-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: EW 2 (0-4') (H243255-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: EW 3 (0-4') (H243255-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 GIO GOMEZ
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	06/06/2024	Sampling Date:	06/04/2024
Reported:	06/12/2024	Sampling Type:	Soil
Project Name:	WEST SHUGART 29 FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	205-2	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON		

Sample ID: EW 4 (0-4') (H243255-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Form containing company information (Pima Environmental Services), project details (West Shugart 29 Federal Battery), and a table for sample analysis with columns for Lab I.D., Sample I.D., Matrix, Preservation, and Sampling. Includes handwritten entries for sample IDs and analysis results.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form for Relinquished/Received By, Date, Time, and Sample Condition. Includes handwritten signatures and dates, and a section for Phone/Fax Results and Remarks.

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E502275

Job Number: 01058-0007

Received: 2/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/5/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/5/25

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001
Workorder: E502275
Date Received: 2/27/2025 4:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/27/2025 4:30:00AM, under the Project Name: West Shugart 29 Fed. #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed. #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 03/05/25 08:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-1.5'	E502275-01A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
2-1.5'	E502275-02A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
3-1.5'	E502275-03A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
4-1.5'	E502275-04A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
5-1.5'	E502275-05A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
6-1.5'	E502275-06A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
7-1.5'	E502275-07A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
8-1.5'	E502275-08A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W1-1.5'	E502275-09A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W2-1.5'	E502275-10A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W3-1.5'	E502275-11A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W4-1.5'	E502275-12A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W5-1.5'	E502275-13A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.
W6-1.5'	E502275-14A	Soil	02/21/25	02/27/25	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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1-1.5'
E502275-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2509104
Chloride	275	20.0	1	02/27/25	02/27/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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2-1.5'

E502275-02

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/27/25	03/01/25	
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	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	51.8	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	234	20.0	1	02/27/25	02/27/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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3-1.5'

E502275-03

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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4-1.5'

E502275-04

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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5-1.5'

E502275-05

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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6-1.5'

E502275-06

Analyte	Result	Reporting Limit	Dilution	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	03/03/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/03/25	
Toluene	ND	0.0250	1	02/27/25	03/03/25	
o-Xylene	ND	0.0250	1	02/27/25	03/03/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/03/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/03/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/27/25	03/03/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	02/27/25	03/03/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/27/25	03/03/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	02/27/25	03/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	63.9	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	111	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/27/25	02/28/25	
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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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7-1.5'

E502275-07

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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8-1.5'

E502275-08

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	1730	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	1270	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W1-1.5'
E502275-09

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W2-1.5'
E502275-10

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2509097
Diesel Range Organics (C10-C28)	39.0	25.0	1	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	55.9	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/27/25	02/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	276	20.0	1	02/27/25	02/27/25	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W3-1.5'

E502275-11

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W4-1.5'
E502275-12

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: n-Nonane</i>		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	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W5-1.5'
E502275-13

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/27/25	02/28/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2509104
Chloride	257	20.0	1	02/27/25	02/27/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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W6-1.5'
E502275-14

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
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	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	02/27/25	03/01/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	02/27/25	03/01/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	02/27/25	03/01/25	
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	02/27/25	02/28/25	
Oil Range Organics (C28-C36)	80.3	50.0	1	02/27/25	02/28/25	
<i>Surrogate: n-Nonane</i>		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	02/27/25	02/27/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509101-BLK1)

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

LCS (2509101-BS1)

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.23	0.0250	2.50		89.4	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.1	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.15	0.0250	2.50		86.0	70-130			
p,m-Xylene	4.31	0.0500	5.00		86.2	70-130			
Total Xylenes	6.46	0.0250	7.50		86.1	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

Matrix Spike (2509101-MS1)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.50	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.9	45-135			
Toluene	2.42	0.0250	2.50	ND	96.9	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.3	43-135			
p,m-Xylene	4.83	0.0500	5.00	ND	96.5	43-135			
Total Xylenes	7.23	0.0250	7.50	ND	96.5	43-135			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

Matrix Spike Dup (2509101-MSD1)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Benzene	2.21	0.0250	2.50	ND	88.6	48-131	12.3	23	
Ethylbenzene	2.16	0.0250	2.50	ND	86.4	45-135	13.5	27	
Toluene	2.10	0.0250	2.50	ND	84.1	48-130	14.2	24	
o-Xylene	2.11	0.0250	2.50	ND	84.3	43-135	13.3	27	
p,m-Xylene	4.22	0.0500	5.00	ND	84.4	43-135	13.4	27	
Total Xylenes	6.33	0.0250	7.50	ND	84.4	43-135	13.4	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509101-BLK1)

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

LCS (2509101-BS2)

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

Matrix Spike (2509101-MS2)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

Matrix Spike Dup (2509101-MSD2)

Source: E502275-06

Prepared: 02/27/25 Analyzed: 03/03/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130	15.2	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509097-BLK1)

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	61-141			

LCS (2509097-BS1)

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

Matrix Spike (2509097-MS1)

Source: E502274-06

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	52.8		50.0		106	61-141			

Matrix Spike Dup (2509097-MSD1)

Source: E502274-06

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	2.38	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed. #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/5/2025 8:50:43AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509104-BLK1)

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride ND 20.0

LCS (2509104-BS1)

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2509104-MS1)

Source: E502275-05

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 1090 20.0 250 847 96.1 80-120

Matrix Spike Dup (2509104-MSD1)

Source: E502275-05

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 1110 20.0 250 847 104 80-120 1.75 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed. #001	
PO Box 247	Project Number:	01058-0007	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.



Released to Imaging: 3/6/2026 3:40:06 PM

Received by OCD: 1/28/2026 2:31:08 PM

Client Information				Invoice Information				Lab Use Only				TAT				State																																															
Client: Pima Environmental Services, LLC				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX																																												
Project Name: West Shugart 29 Fed #1				Address:				E502275		01058-0007		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X																																															
Project Manager: Tom Bynum				City, State, Zip:				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="3">EPA Program</th> </tr> <tr> <th>DRO/DRO by 8015</th> <th>GRO/DRO by 8015</th> <th>BTEX by 8021</th> <th>VOC by 8260</th> <th>Chloride 300.0</th> <th>BGDOC - NM</th> <th>TCEQ 1005 - TX</th> <th>RCRA 8 Metals</th> <th>Carbon/Amion Pkg</th> <th>SDWA</th> <th>CWA</th> <th>RCRA</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Compliance</td> <td>Y</td> <td>or</td> <td>N</td> </tr> <tr> <td colspan="9">PWSID #</td> <td colspan="3">Remarks</td> </tr> </tbody> </table>								Analysis and Method								EPA Program			DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Carbon/Amion Pkg	SDWA	CWA	RCRA										Compliance	Y	or	N	PWSID #									Remarks		
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City, State, Zip: Hobbs, NM 88240				Email:																																																											
Phone: (580)748-1613				Miscellaneous: Project No. # 1-298																																																											
Email: Tom@pimaoil.com																																																															
Sample Information																																																															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Carbon/Amion Pkg	SDWA	CWA	RCRA																																													
9:30	2/21/2025	S		1-1.5'		1						X																																																			
9:34				2-1.5'		2																																																									
9:38				3-1.5'		3																																																									
9:44				4-1.5'		4																																																									
9:49				5-1.5'		5																																																									
9:55				6-1.5'		6																																																									
10:03				7-1.5'		7																																																									
10:19				8-1.5'		8																																																									
10:23				W1-1.5'		9																																																									
10:27				W2-1.5'		10																																																									
Additional Instructions: BILLING- 21165881																																																															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																																																															
Sampled by: Andrew Franco																																																															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 oC on subsequent days.																																																							
Andrew Franco		2/21/25	12:30	Karime Adame		2/26/25	9:11																																																								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																																																								
Karime Adame		2/26/25	1:16	Michelle Gonzalez		2-26-25	1316																																																								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>																																																							
Michelle Gonzalez		2-26-25	1520	Richard Gonzalez		2-26-25	1520																																																								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																																																							
Richard Gonzalez		2-26-25	2:30	Kuyuph R. Hill		2-27-25	0430																																																								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																																																															
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.																																																															

Page 301 of 365

Client Information				Invoice Information				Lab Use Only				TAT				State																																														
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10:33	2/21/2025	S		W3-1.5'		11						X																																																		
10:38				W4-1.5'		12																																																								
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Sampled by: Andrew Franco																																																														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 oC on subsequent days.																																																						
Andrew Franco		2/21/25	12:30	Yarime Adame		2/26/25	9:11																																																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																																																							
Yarime Adame		2/26/25	1:16	Michelle Gonzalez		2-26-25	1316																																																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>																																																						
Michelle Gonzalez		2-26-25	1520	Richard Gonzalez		2-26-25	1520																																																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																																																						
Richard Gonzalez		2-26-25	2:30	Muyin R Hall		2-27-25	0430																																																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																														

Envirotech Analytical Laboratory

Printed: 2/27/2025 11:15:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pima Environmental Services-Carlsbad Date Received: 02/27/25 04:30 Work Order ID: E502275
Phone: (575) 631-6977 Date Logged In: 02/26/25 15:08 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 03/05/25 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

No of containers not provided on COC.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Federal #001

Work Order: E508020

Job Number: 01058-0007

Received: 8/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/5/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 8/5/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Federal #001
Workorder: E508020
Date Received: 8/5/2025 6:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2025 6:00:00AM, under the Project Name: West Shugart 29 Federal #001.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 08/05/25 17:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E508020-01A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW2	E508020-02A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW3	E508020-03A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CSW4	E508020-04A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS1	E508020-05A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS2	E508020-06A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS3	E508020-07A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS4	E508020-08A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS5	E508020-09A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS6	E508020-10A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS7	E508020-11A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS8	E508020-12A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS9	E508020-13A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS10	E508020-14A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS11	E508020-15A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS12	E508020-16A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS13	E508020-17A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS14	E508020-18A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS15	E508020-19A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS16	E508020-20A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS17	E508020-21A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
CS18	E508020-22A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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**CSW1
E508020-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CSW2

E508020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CSW3

E508020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	100	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CSW4

E508020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS1

E508020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	20.8	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS2

E508020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	163	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS3

E508020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	38.6	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	72.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	4540	40.0	2	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS4

E508020-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	54.1	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	156	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS5

E508020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	65.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	108	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	2830	40.0	2	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS6

E508020-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	1950	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS7

E508020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		97.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	258	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS8

E508020-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	397	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS9

E508020-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.2 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	127	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	94.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	2070	40.0	2	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS10

E508020-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		96.3 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	158	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS11

E508020-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	28.2	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	87.7	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS12

E508020-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	50.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	52.0	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>						
		96.1 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	3460	40.0	2	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS13

E508020-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	84.1	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	85.9	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		92.9 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	226	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS14

E508020-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2532025	
Diesel Range Organics (C10-C28)	127	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	167	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2532027	
Chloride	327	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS15

E508020-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	104	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	117	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	498	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS16

E508020-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532029
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532025
Diesel Range Organics (C10-C28)	36.3	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532027
Chloride	25.8	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS17

E508020-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532026
Diesel Range Organics (C10-C28)	40.9	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532028
Chloride	36.9	20.0	1	08/05/25	08/05/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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CS18

E508020-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2532026
Diesel Range Organics (C10-C28)	116	25.0	1	08/05/25	08/05/25	
Oil Range Organics (C28-C36)	117	50.0	1	08/05/25	08/05/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	08/05/25	08/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532028
Chloride	953	20.0	1	08/05/25	08/05/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532029-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

LCS (2532029-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.68	0.0250	5.00		114	70-130			
Ethylbenzene	5.56	0.0250	5.00		111	70-130			
Toluene	5.66	0.0250	5.00		113	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			

Matrix Spike (2532029-MS1)

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.78	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130			
Toluene	5.76	0.0250	5.00	ND	115	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130			
Total Xylenes	16.9	0.0250	15.0	ND	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2532029-MSD1)

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.44	0.0250	5.00	ND	109	70-130	6.04	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	5.34	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	5.62	20	
o-Xylene	5.25	0.0250	5.00	ND	105	70-130	5.23	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	5.19	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	5.20	26	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532030-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

LCS (2532030-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike (2532030-MS1)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.51	0.0250	5.00	ND	110	70-130			
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130			
Toluene	5.51	0.0250	5.00	0.0283	110	70-130			
o-Xylene	5.46	0.0250	5.00	ND	109	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

Matrix Spike Dup (2532030-MSD1)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.19	0.0250	5.00	ND	104	70-130	6.12	27	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	5.93	26	
Toluene	5.17	0.0250	5.00	0.0283	103	70-130	6.46	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	5.42	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	5.81	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	5.68	26	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532029-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2532029-BS2)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2532029-MS2)

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

Matrix Spike Dup (2532029-MSD2)

Source: E508020-04

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	0.292	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532030-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			

LCS (2532030-BS2)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

Matrix Spike (2532030-MS2)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

Matrix Spike Dup (2532030-MSD2)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	4.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532025-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.0		50.0		90.0	61-141			

LCS (2532025-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	47.0		50.0		93.9	61-141			

Matrix Spike (2532025-MS1)

Source: E508020-14

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	401	25.0	250	ND	160	56-156			M2
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike Dup (2532025-MSD1)

Source: E508020-14

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	40.1	20	R4
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532026-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

LCS (2532026-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

Matrix Spike (2532026-MS1)

Source: E508020-21

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	356	25.0	250	40.9	126	56-156			
Surrogate: n-Nonane	39.0		50.0		78.1	61-141			

Matrix Spike Dup (2532026-MSD1)

Source: E508020-21

Prepared: 08/05/25 Analyzed: 08/05/25

Diesel Range Organics (C10-C28)	351	25.0	250	40.9	124	56-156	1.37	20	
Surrogate: n-Nonane	50.0		50.0		99.9	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532027-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride ND 20.0

LCS (2532027-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2532027-MS1)

Source: E508020-02

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 255 20.0 250 ND 102 80-120

Matrix Spike Dup (2532027-MSD1)

Source: E508020-02

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 254 20.0 250 ND 101 80-120 0.565 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #001 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 5:06:30PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532028-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride ND 20.0

LCS (2532028-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 257 20.0 250 103 90-110

Matrix Spike (2532028-MS1)

Source: E508020-22

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 1490 20.0 250 953 213 80-120 M4

Matrix Spike Dup (2532028-MSD1)

Source: E508020-22

Prepared: 08/05/25 Analyzed: 08/05/25

Chloride 1330 20.0 250 953 151 80-120 11.0 20 M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Federal #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/05/25 17:06

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R4 The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Client Information					Invoice Information			Lab Use Only				TAT				State					
Client: <i>Pimco Environmental</i>					Company: <i>Devon Energy</i>			Lab WO# <i>E509020</i>		Job Number <i>01058-0007</i>		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: <i>West Shugart 29 Federal #001</i>					Address:							<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>					
Project Manager: <i>Delroy Geller</i>					City, State, Zip:																
Address: <i>5614 North Livingston Hwy</i>					Phone:																
City, State, Zip: <i>Hobbs, NM 88240</i>					Email:																
Phone: <i>(800) 724-5391</i>					Miscellaneous: <i>1-248</i>																
Email: <i>Delroy@pimcoil.com</i>																					
Sample Information										Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRG/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA			
																Compliance	Y	or	N		
																PWSID #					
																Sample Temp			Remarks		
8:10	8-1-25	S		CSW1		1						X							1.0		
8:20	8-1-25	S		CSW2		2													1.0		
8:30	8-1-25	S		CSW3		3													1.2		
8:40	8-1-25	S		CSW4		4													2.2		
8:50	8-1-25	S		CS1		5													1.1		
9:00	8-1-25	S		CS2		6													1.3		
9:10	8-1-25	S		CS3		7													2.2		
9:20	8-1-25	S		CS4		8													1.3		
9:30	8-1-25	S		CS5		9													1.4		
9:40	8-1-25	S		CS6		10													1.0		
Additional Instructions: <i>Billing EE-167545.01.ABD</i>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: <i>Marlon Garcia</i>																					
Relinquished by: (Signature) <i>Marlon Garcia</i>				Date <i>8-1-25</i>		Time <i>3:00</i>		Received by: (Signature) <i>Michelle Gonzales</i>				Date <i>8-4-25</i>		Time <i>1400</i>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> N					
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date <i>8-4-25</i>		Time <i>1600</i>		Received by: (Signature) <i>Marissa Gonzales</i>				Date <i>8-4-25</i>		Time <i>1600</i>							
Relinquished by: (Signature) <i>Marissa Gonzales</i>				Date <i>8-4-25</i>		Time <i>1900</i>		Received by: (Signature) <i>Andrew Musso</i>				Date <i>8-4-25</i>		Time <i>1900</i>							
Relinquished by: (Signature) <i>Andrew Musso</i>				Date <i>8-4-25</i>		Time <i>2400</i>		Received by: (Signature) <i>Cathy Mann</i>				Date <i>8-5-25</i>		Time <i>1000</i>							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: <u>Pinta Environmental</u>				Company: <u>Duron Energy</u>				Lab WO# <u>E508020</u>		Job Number <u>01056-0057</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>West Shogart 24 Federal # 001</u>				Address:								<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
Project Manager: <u>Deltrae Geiler</u>				City, State, Zip:															
Address: <u>5614 N Lexington Hwy</u>				Phone:															
City, State, Zip: <u>Holtz, PA 15840</u>				Email:															
Phone: <u>(800) 724-5591</u>				Miscellaneous: <u>1-248</u>															
Email: <u>Deltrae@pinta.com</u>																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
9:50	8-1-25	S		CS7		11						<input checked="" type="checkbox"/>							
10:00	8-1-25	S		CS8		12													
10:10	8-1-25	S		CS9		13													
10:20	8-1-25	S		CS10		14													
10:30	8-1-25	S		CS11		15													
10:40	8-1-25	S		CS12		16													
10:50	8-1-25	S		CS13		17													
11:00	8-1-25	S		CS14		18													
11:10	8-1-25	S		CS15		19													
11:20	8-1-25	S		CS16		20													
Additional Instructions: <u>Billing EE-167545.01.ABD</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Marden Garcia</u>																			
Relinquished by: (Signature) <u>Marden Garcia</u>				Date: <u>8-1-25</u>		Time: <u>3:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1400</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N			
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1600</u>		Received by: (Signature) <u>Marissa Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1600</u>					
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date: <u>8-4-25</u>		Time: <u>1900</u>		Received by: (Signature) <u>Andreye Musso</u>				Date: <u>8-4-25</u>		Time: <u>1900</u>					
Relinquished by: (Signature) <u>Andreye Musso</u>				Date: <u>8-4-25</u>		Time: <u>2400</u>		Received by: (Signature) <u>Caitlin Harv</u>				Date: <u>8-5-25</u>		Time: <u>1000</u>					
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: <u>Pima Environmental</u>				Company: <u>Devon Energy</u>				Lab WO# <u>E508020</u>		Job Number <u>0058-0057</u>		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: <u>West Shugart 29 Federal #001</u>				Address:								<input checked="" type="checkbox"/>									
Project Manager: <u>Del Rae Geller</u>				City, State, Zip:																	
Address: <u>5614 N Lovington HWY</u>				Phone:																	
City, State, Zip: <u>Hobbs, NM 88240</u>				Email:																	
Phone: <u>(806) 724-5341</u>				Miscellaneous: <u>1-298</u>																	
Email: <u>Delrae@pimaoil.com</u>																					
Sample Information												Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	no. of Containers	Sample ID	Field Filter	Lab Number	DRQ/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Calton/Amion-Plg	SDWA	CWA	RCRA			
11:30	8-1-25	S		CS17		21						<input checked="" type="checkbox"/>									
11:40	8-1-25	S		CS18		22															
Additional Instructions: <u>Billing EE-167545.01.ABD</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: <u>Marlon Garcia</u>																					
Relinquished by: (Signature) <u>Marlon Garcia</u>				Date <u>8-1-25</u>		Time <u>3:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-4-25</u>		Time <u>1400</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N					
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>8-4-25</u>		Time <u>1600</u>		Received by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-4-25</u>		Time <u>1600</u>							
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date <u>8-4-25</u>		Time <u>1900</u>		Received by: (Signature) <u>Andrew Musso</u>				Date <u>8-4-25</u>		Time <u>1900</u>							
Relinquished by: (Signature) <u>Andrew Musso</u>				Date <u>8-4-25</u>		Time <u>2400</u>		Received by: (Signature) <u>Cherry Ann</u>				Date <u>8-5-25</u>		Time <u>600</u>							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time							
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>										Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Envirotech Analytical Laboratory

Printed: 8/5/2025 9:01:10AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pima Environmental Services-Carlsbad Date Received: 08/05/25 06:00 Work Order ID: E508020
Phone: (575) 631-6977 Date Logged In: 08/04/25 15:20 Logged In By: Caitlin Mars
Email: Due Date: 08/05/25 07:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

[Empty box for Client Instruction]

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Federal #1

Work Order: E508149

Job Number: 01058-0007

Received: 8/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 8/14/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Federal #1
Workorder: E508149
Date Received: 8/14/2025 7:15:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2025 7:15:00AM, under the Project Name: West Shugart 29 Federal #1.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Federal #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 08/14/25 15:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Backfill 1	E508149-01A	Soil	08/13/25	08/14/25	Glass Jar, 4 oz.
Backfill 2	E508149-02A	Soil	08/13/25	08/14/25	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Backfill 1
E508149-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2533096	
Benzene	ND	0.0250	1	08/14/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/14/25	08/14/25	
Toluene	ND	0.0250	1	08/14/25	08/14/25	
o-Xylene	ND	0.0250	1	08/14/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/14/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/14/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2533096	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2533088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/25	08/14/25	
<i>Surrogate: n-Nonane</i>		87.2 %	61-141	08/14/25	08/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2533087	
Chloride	ND	20.0	1	08/14/25	08/14/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Backfill 2
E508149-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Benzene	ND	0.0250	1	08/14/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/14/25	08/14/25	
Toluene	ND	0.0250	1	08/14/25	08/14/25	
o-Xylene	ND	0.0250	1	08/14/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/14/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/14/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.3 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533096
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	08/14/25	08/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2533088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/25	08/14/25	
<i>Surrogate: n-Nonane</i>						
		85.0 %	61-141	08/14/25	08/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2533087
Chloride	ND	20.0	1	08/14/25	08/14/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533096-BLK1)

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.67		8.00		83.4	70-130			

LCS (2533096-BS1)

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.7	70-130			

Matrix Spike (2533096-MS1)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130			
Toluene	5.20	0.0250	5.00	ND	104	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			

Matrix Spike Dup (2533096-MSD1)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	1.87	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	2.11	26	
Toluene	5.31	0.0250	5.00	ND	106	70-130	2.00	20	
o-Xylene	5.21	0.0250	5.00	ND	104	70-130	2.50	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	2.00	23	
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130	2.16	26	
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		89.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533096-BLK1)

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

LCS (2533096-BS2)

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

Matrix Spike (2533096-MS2)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike Dup (2533096-MSD2)

Source: E508151-03

Prepared: 08/14/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533088-BLK1)

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.5		50.0		83.0	61-141			

LCS (2533088-BS1)

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	216	25.0	250		86.3	66-144			
Surrogate: n-Nonane	40.5		50.0		80.9	61-141			

Matrix Spike (2533088-MS1)

Source: E508149-01

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	217	25.0	250	ND	87.0	56-156			
Surrogate: n-Nonane	40.8		50.0		81.7	61-141			

Matrix Spike Dup (2533088-MSD1)

Source: E508149-01

Prepared: 08/14/25 Analyzed: 08/14/25

Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	56-156	0.376	20	
Surrogate: n-Nonane	42.1		50.0		84.2	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Federal #1 Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/14/2025 3:08:24PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533087-BLK1)

Prepared: 08/13/25 Analyzed: 08/13/25

Chloride	ND	20.0							
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LCS (2533087-BS1)

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride	256	20.0	250		102	90-110			
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Matrix Spike (2533087-MS1)

Source: E508139-06

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride	768	40.0	250	500	107	80-120			
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Matrix Spike Dup (2533087-MSD1)

Source: E508139-06

Prepared: 08/13/25 Analyzed: 08/14/25

Chloride	743	40.0	250	500	97.2	80-120	3.30	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	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.



Envirotech Analytical Laboratory

Printed: 8/14/2025 10:46:07AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pima Environmental Services-Carlsbad Date Received: 08/14/25 07:15 Work Order ID: E508149
Phone: (575) 631-6977 Date Logged In: 08/13/25 14:58 Logged In By: Caitlin Mars
Email: Due Date: 08/14/25 17:00 (0 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

No of containers not provided on COC. Missing relinquished time from client.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? No

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? Yes
15. Are VOC samples collected in VOA Vials? No
16. Is the head space less than 6-8 mm (pea sized or less)? No
17. Was a trip blank (TB) included for VOC analyses? No
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 547485

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1808253927
Incident Name	NAB1808253927 WEST SHUGART 29 FEDERAL #001 @ 30-015-29948
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-29948] WEST SHUGART 29 FEDERAL #001
Incident Facility	[fAPP2130628309] SHUGART W FED 29 CTB 1

Location of Release Source

Please answer all the questions in this group.

Site Name	WEST SHUGART 29 FEDERAL #001
Date Release Discovered	03/11/2018
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 9 BBL Recovered: 5 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	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	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/28/2026
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QUESTIONS, Page 3

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33251
GRO+DRO (EPA SW-846 Method 8015M)	23927
BTEX (EPA SW-846 Method 8021B or 8260B)	14
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/05/2024
On what date will (or did) the final sampling or liner inspection occur	02/01/2025
On what date will (or was) the remediation complete(d)	02/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	890
What is the estimated volume (in cubic yards) that will be reclaimed	168
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	296

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/28/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3527
What was the total volume (cubic yards) remediated	653
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3527
What was the total volume (in cubic yards) reclaimed	653
Summarize any additional remediation activities not included by answers (above)	Facility deconstruction was completed, CTB area was remediation to 5'.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 01/28/2026
--	--

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QUESTIONS, Page 7

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3527
What was the total volume of replacement material (in cubic yards) for this site	653
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/30/2026
Summarize any additional reclamation activities not included by answers (above)	Entire area was excavated down to 5' to meet reclamation standards, and area was backfilled with clean material.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/28/2026

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QUESTIONS, Page 8

Action 547485

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 547485
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 547485

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	3/6/2026