



## RECLAMATION REPORT

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PREPARED FOR:  
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC.

April 10, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2  
811 S First St  
Artesia, NM 88210

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

**RE:** Reclamation Report  
**LOCATION:** Shugart W Fed 29 CTB 1  
**FACILITY ID:** fAPP2130628309  
**GPS (NAD83):** 32.715643, -103.894921  
**INCIDENT LOCATION:** K-29-T18S-R31E  
**COUNTY:** Eddy  
**NMOCD REF. NO.** nAPP2313055690

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Reclamation Report for a crude oil release that occurred at the Shugart W Fed 29 CTB 1 (Shugart). This incident was assigned Incident ID nAPP2313055690 by the New Mexico Oil Conservation Division (NMOCD).

### RELEASE INFORMATION

**nAPP2313055690:** May 10, 2023 – “Leak was found in a pin hole on the oil production pipe in between the heater and oil tanks within the earthen berm. The heater was isolated to stop the spill. As of this notification, recovered volumes are not available. Spill was not in a lined containment. 6.9 bbls oil spilled (estimated). No fluids were able to be recovered.”

### SITE CHARACTERIZATION

The 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 to 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 low potential for karst geology to be present around the 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 240 feet below grade surface (bgs). The closest POD with information is CP-00818-POD1 which was drilled in 1950 and is approximately 2.66 miles 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 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 Shugart release area. According to a FEMA search for flood hazard information, the Shugart is in Zone X – Area of Minimal Flood Hazard.

Closure criteria for releases at the Shugart pad surface are classified under the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 600 mg/kg, TPH (GRO+DRO+MRO) should be less than 100 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. Seventeen (17) discrete samples were collected for the purpose of vertical delineation from 5 different sample points within the release areas. These samples were collected from depths of 1', 2', 3', and 4' bgs. Ten (10) 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 (27) 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.

On June 14, 2023, Pima personnel returned to the location to complete delineation of the pasture areas to more accurately portray vertical delineation. The sample points in the pasture area were each advanced to depths of 5' and 6' bgs to confirm vertical delineation. Ten (10) additional discrete samples were collected from these 5 sample points. A total of ten (10) 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.

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

### REMEDIATION ACTIVITIES

A remediation work plan was submitted for this incident 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." Therefore, 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 this 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.

On February 19, 2025, as they had already been remediating the release area for incident nAB1808253927 (will be addressed separately), the Devon construction department and Pima returned to the site to begin excavating the areas of concern in the pasture. The 3 areas totaling 890 square feet were excavated using mechanical equipment to an approximate depth of 4.5' bgs. Approximately 150 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. 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 confirmation samples of the excavated areas. Twenty-five (25) subsamples were collected to create five (5) composite samples of the bases of the excavations. Forty (40) subsamples were collected to create eight (8) composite samples of the walls of the excavations. A total of thirteen (13) 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.

On February 25, 2025, an analytical report was received and verified that all sample results are under the regulatory limits of the less than 50-foot depth to groundwater section of Table 1. Sample results can be referenced in the Data Tables included in Figure 5. A corresponding Confirmation Sample Map can be referenced in Figure 6. Complete Laboratory Reports are included in Appendix E. The excavated areas were backfilled from 4.5' to 2' bgs with clean caliche, then clean topsoil was used to complete the backfill of the top 2'. The areas were contoured to their original state and prepared for reclamation activities.

### RECLAMATION ACTIVITIES

The release and reclamation extent are in the pasture no more than 50 feet from the pad surface at the furthest point. Field personnel were attentive and monitoring for any cultural materials during the reclamation process, however none were encountered. The areas that were subject to reclamation are the 3 excavation areas, lacking vegetation. After remediation activities were complete, the topsoil was re-contoured for initial seedbed preparation. The original landform was restored, as near as possible, for all un-vegetated and/or disturbed areas from remedial action activities. Preparation of the seed bed will follow best practices.

To ensure the topsoil used for backfilling the excavations is ready to be prepared for seeding, soil samples were collected from each area and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. These discrete soil samples were collected from depths of surface and 1' bgs, on April 1, 2025. Ten (10) samples were collected from 5 different sample points, immediately put on ice, prepared, then delivered to the lab courier.

On April 9, 2025, an analytical report was received and verified that all sample results are under the regulatory limits of the less than 50-foot depth to groundwater section of Table 1. Sample results can be referenced in the Data Tables included in Figure 5. A corresponding Backfill Sample Map can be referenced in Figure 9. Complete Laboratory Reports are included in Appendix E.

### PROPOSED VEGETATION PLAN

A certified weed-free seed mix designed by the NMSLO to meet reclamation standards will be used. Based on the soil complex (Berino loamy fine sand, 0 to 3 percent slopes) within and surrounding the site, The NMSLO Seed Mixture Sandy Loam (SL)(Figure 8) will be used for seeding and will be seeded at a rate of 17.75 pounds live seed (PLS) per acre  $((\text{Desired Stand in Plants per acre}) / (1 - \text{Expected Stand Loss})) / ((\text{Seeds per lb.}) \times (\% \text{ Germination}))$  to achieve a historic climax community. Seed mix species will include:

#### Grasses:

Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S

#### Forbs:

Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D

#### Shrubs:

Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F

Based on contractor and equipment availability, the seed mixture will be spread either by seed drill box or broadcast method. The seed mix will be purchased from a New Mexico Department of Agriculture (NMDA) licensed dealer. Following seeding operations, the seed tags will be made available to the NMSLO, along with a copy of the materials





certification in a Reclamation Activities Report. Revegetation efforts will be completed in the first favorable growing season.

## RECLAMATION/VEGETATION MONITORING

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 invasive or noxious weeds, a final revegetation report will be submitted for review/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@devon.com](mailto:jim.raley@devon.com).

Pima Environmental – Tom Bynum at 575-964-7740 or [tom@pimaoil.com](mailto:tom@pimaoil.com).

## ATTACHMENTS

### FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Data Tables
- 6- Confirmation Sample Map
- 7- Special Status Plant/Wildlife Map
- 8- Sandy Loam (SL) Seed Mix
- 9- Backfill Sample Map

### APPENDICES:

Appendix A – Water Surveys & Water-Related Maps

Appendix B – Soil Survey & Geological Data

Appendix C – 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



## FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Data Tables
- 6- Confirmation Sample Map
- 7- Special Status Plant/Wildlife Map
- 8- Sandy Loam (SL) Seed Mix
- 9- Backfill Sample Map



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

Shugart W Fed 29 CTB 1 | nAPP2313055690


DEVON ENERGY PRODUCTION, LP.

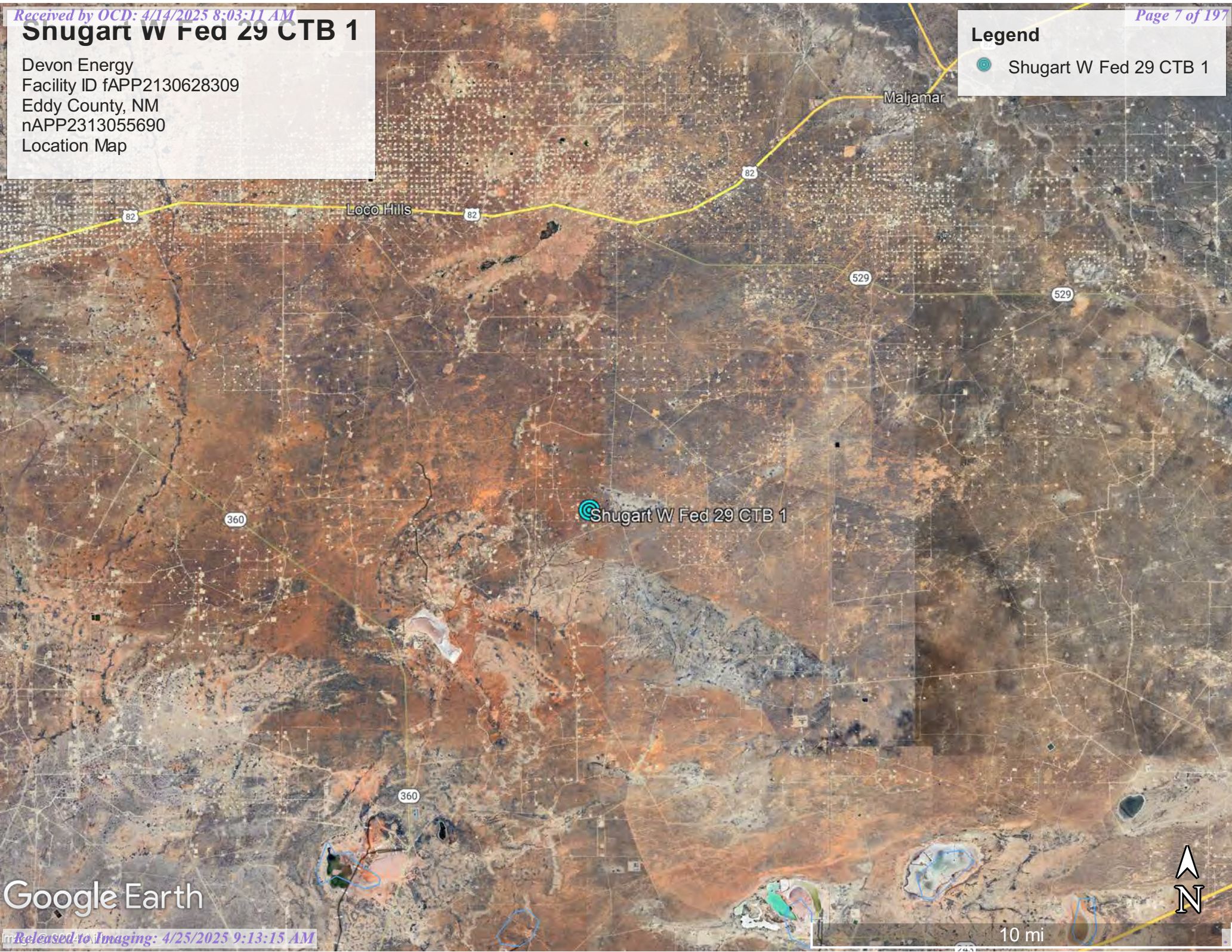


# Shugart W Fed 29 CTB 1

Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Location Map

## Legend

 Shugart W Fed 29 CTB 1



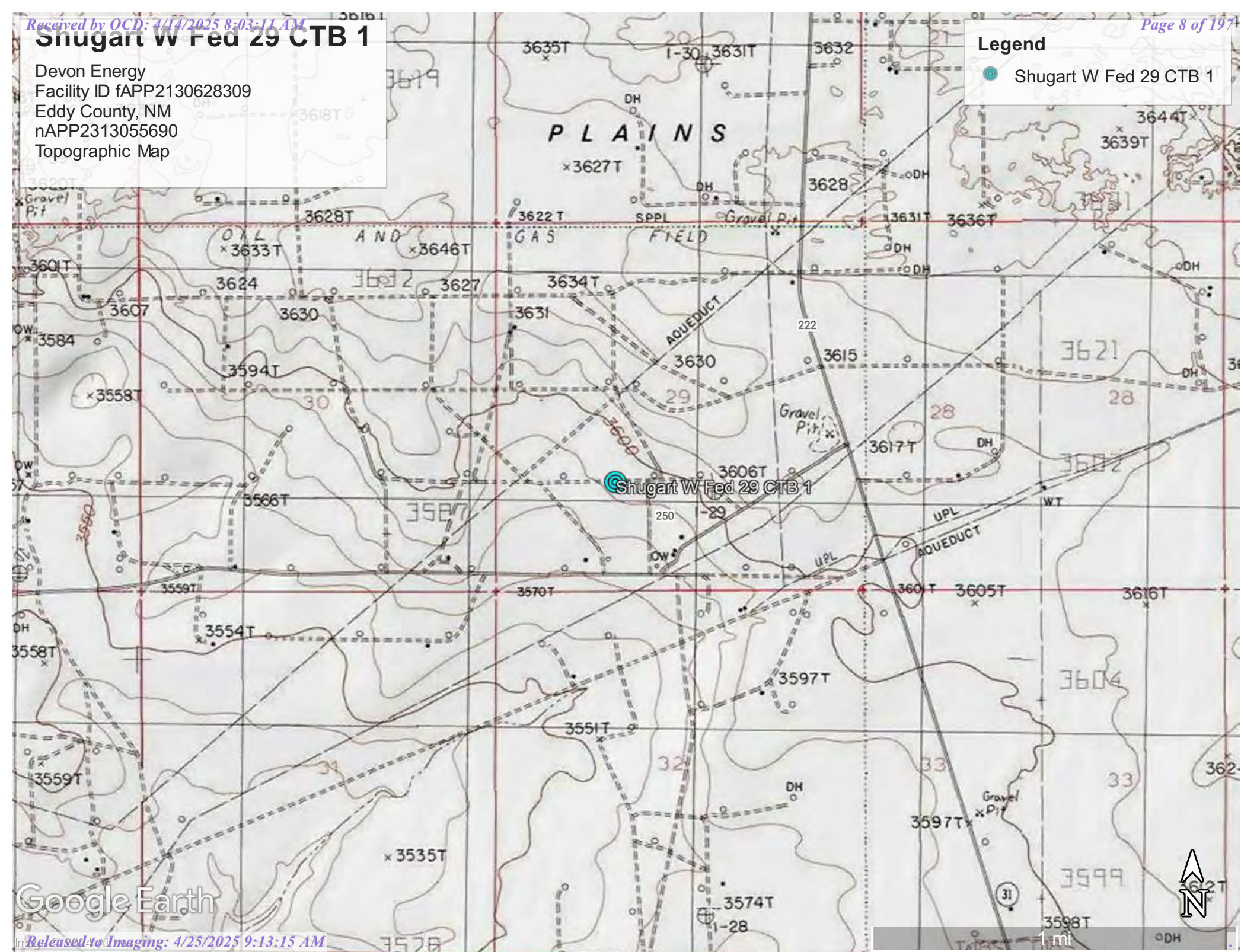
Google Earth

10 mi



Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Topographic Map

Shugart W Fed 29 CTB 1





# Shugart W Fed 29 CTB 1

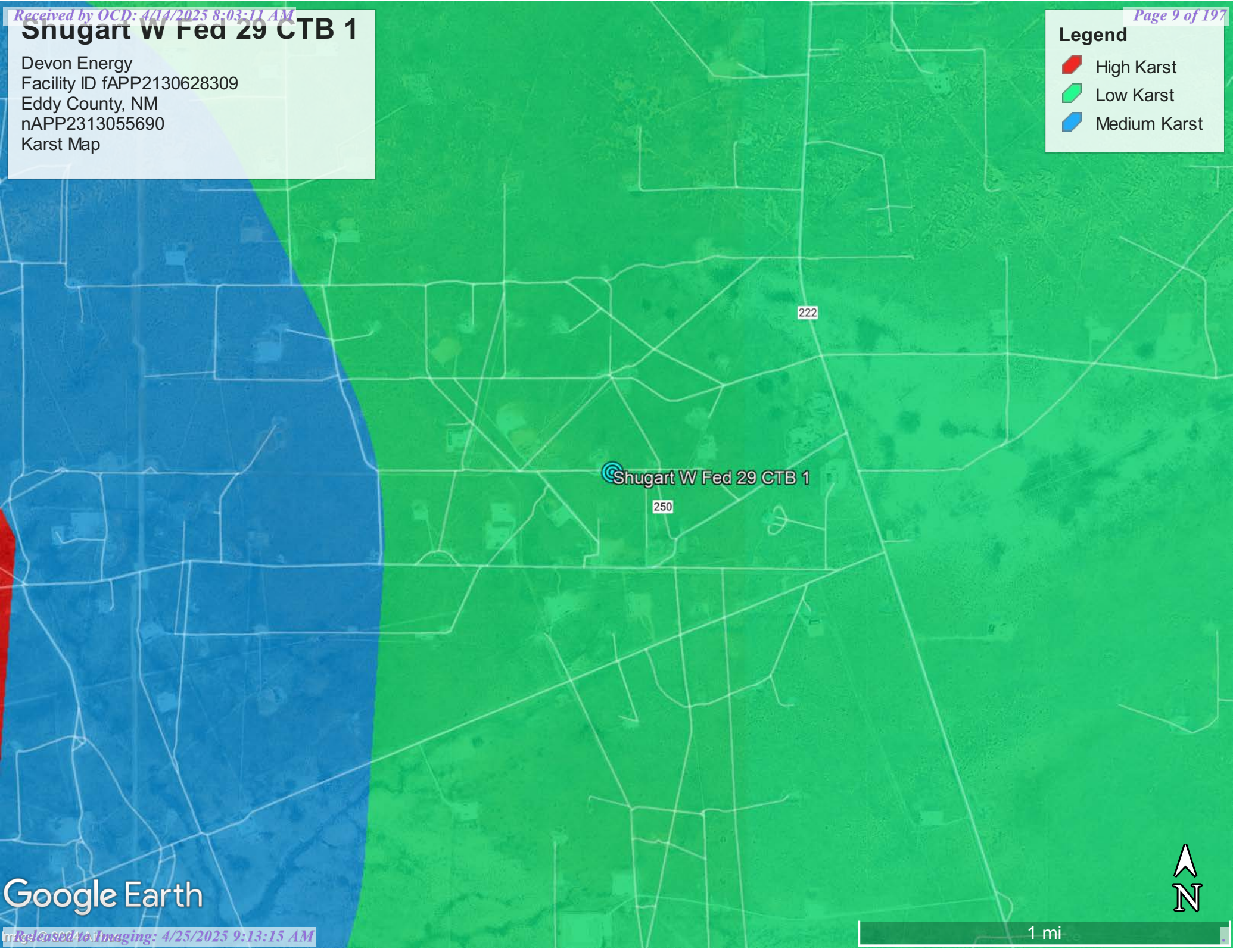
Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Karst Map

Legend

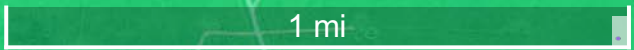
High Karst

Low Karst

Medium Karst



Google Earth





# Shugart W Fed 29 CTB 1

Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Site Map

## Legend

- 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



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - SHUGART W Fed 29 CTB 1 - nAPP2313055690									
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
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
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	ND
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 - SHUGART W Fed 29 CTB 1 - nAPP2313055690								
Date: 6/4/24 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
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 - SHUGART W Fed 29 CTB 1 - nAPP2313055690								
Date: 2/21/25 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	CI mg/kg
1-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
2-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
3-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
4-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
5-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W1-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W2-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W3-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W4-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W5-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W6-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W7-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND
W8-4.5'	4.5'	ND	ND	ND	ND	ND	ND	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - SHUGART W Fed 29 CTB 1 - Backfill								
Date: 4/1/25 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	TPH mg/kg	CI mg/kg
B1-Surface	0'	0.033	ND	ND	ND	ND	ND	ND
B1-1'	1'	ND	ND	ND	ND	ND	ND	43.7
B2-Surface	0'	ND	ND	ND	ND	ND	ND	ND
B2-1'	1'	0.027	ND	ND	ND	ND	ND	ND
B3-Surface	0'	ND	ND	ND	ND	ND	ND	38.6
B3-1'	1'	ND	ND	ND	ND	ND	ND	68.8
B4-Surface	0'	0.033	ND	ND	ND	ND	ND	46.6
B4-1'	1'	ND	ND	ND	ND	ND	ND	ND
B5-Surface	0'	0.0275	ND	ND	ND	ND	ND	48.6
B5-1'	1'	ND	ND	ND	ND	ND	ND	52.9



# Shugart W Fed 29 CTB 1

Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Confirmation Sample Map

## Legend

- Confirmation base samples
- Confirmation wall samples
- Pasture area 1 - 370 sqft
- Pasture area 2 - 357 sqft
- Pasture area 3 - 163 sqft

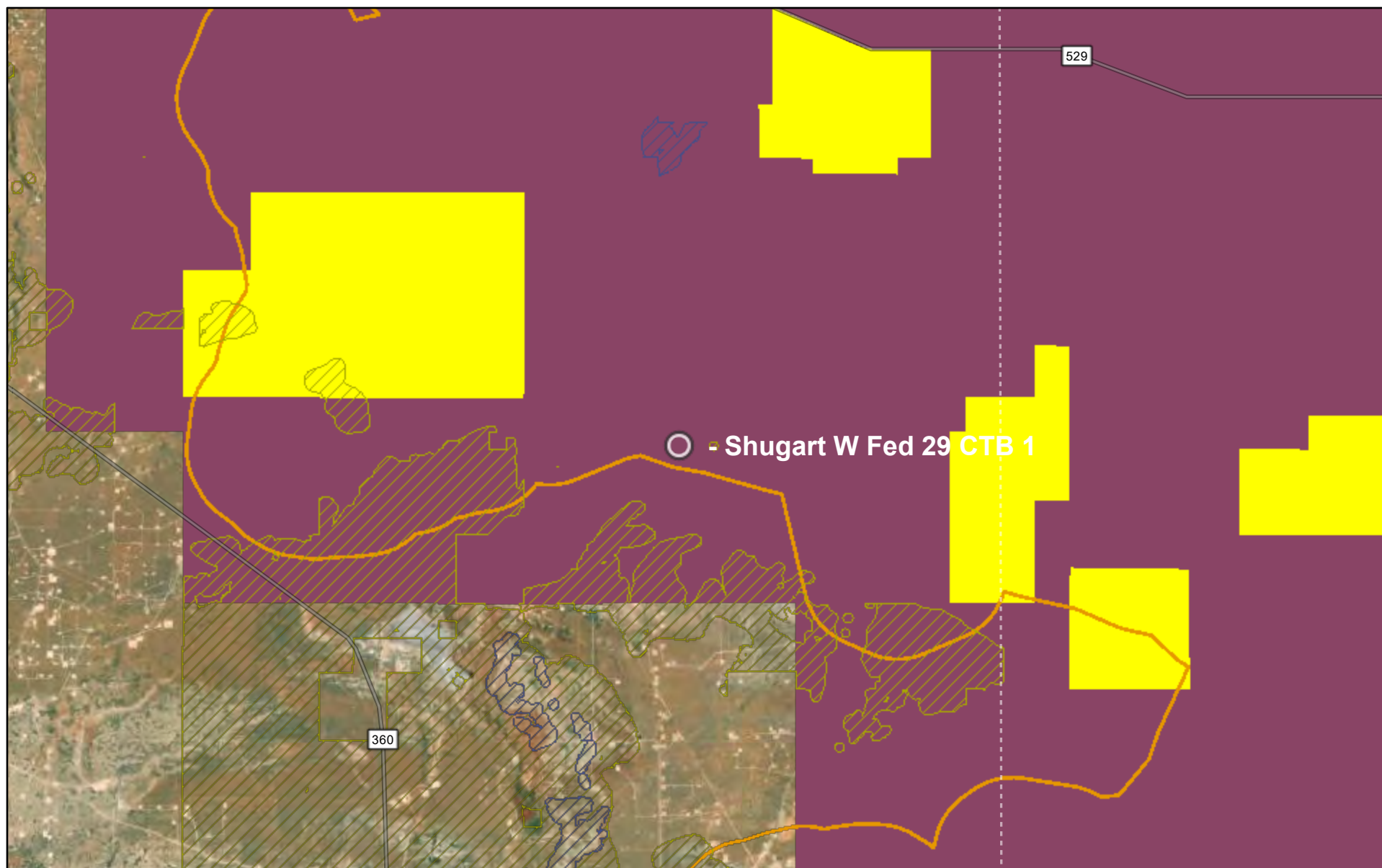
Shugart W Fed 29 CTB 1

Google Earth



80 ft

## 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

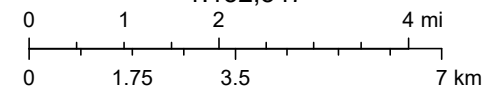
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:152,347



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



**NMSLO Seed Mix****Sandy Loam (SL)****SANDY LOAM (SL) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<b><u>Grasses:</u></b>			
Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S
<b><u>Forbs:</u></b>			
Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D
<b><u>Shrubs:</u></b>			
Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F
<b>Total PLS/acre</b>		<b>17.75</b>	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



# Shugart W Fed 29 CTB 1

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Backfill Sample Map

## Legend

- Backfill samples
- Pasture area 1 - 370 sqft
- Pasture area 2 - 357 sqft
- Pasture area 3 - 163 sqft

Shugart W Fed 29 CTB 1





# APPENDIX A

Water Surveys

Water-Related Maps



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

Shugart W Fed 29 CTB 1 | nAPP2313055690

DEVON ENERGY PRODUCTION, LP.



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">CP 00818 POD1</a>		CP	LE	1	4	26	18S	30E		599289	3620364*	4276	240		
<a href="#">CP 00767 POD1</a>		CP	ED	3	2	35	18S	30E		599300	3619158*	4416	500		
<a href="#">CP 00849 POD1</a>		CP	LE	3	1	3	35	18S	31E	608012	3618757*	4707	300		
<a href="#">CP 01907 POD1</a>		CP	ED	4	2	2	18	19S	31E	603017	3614737	5592			
<a href="#">CP 01985 POD1</a>		CP	ED	2	4	2	17	19S	31E	604666	3614438	5967	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 5

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 603565.31

**Northing (Y):** 3620303

**Radius:** 6000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


5/30/24 7:27 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00818 POD1	1	4	26	18S	30E	599289	3620364*	
<hr/>									
Driller License: 122		Driller Company:				UNKNOWN			
Driller Name:									
Drill Start Date:		Drill Finish Date:				Plug Date:			
Log File Date:		PCW Rcv Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 20 GPM			
Casing Size:	7.00	Depth Well:				240 feet		Depth Water:	
<hr/>									

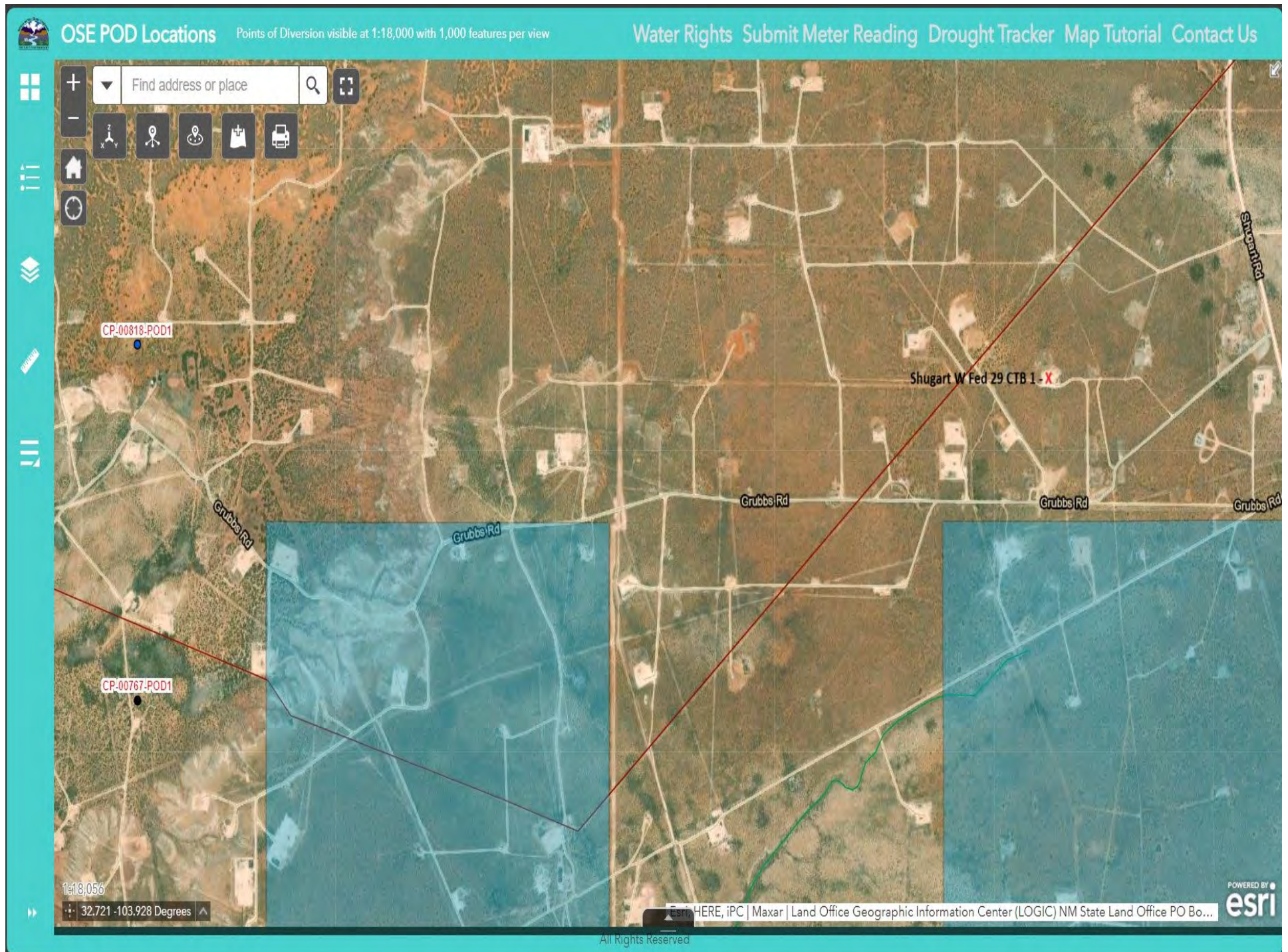
\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/30/24 7:46 AM

POINT OF DIVERSION SUMMARY









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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 324241103561201

Minimum number of levels = 1

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

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

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

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

Land-surface elevation 3,432 feet above NAVD88

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

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

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

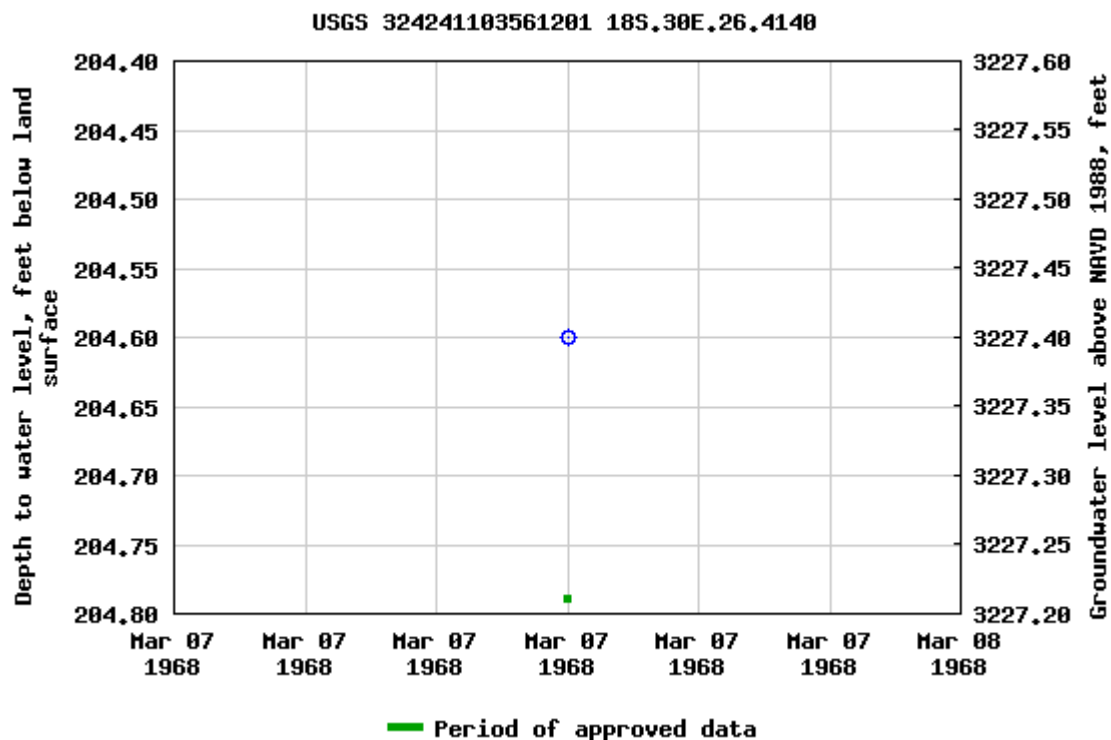
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

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[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

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

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



Page Contact Information: [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



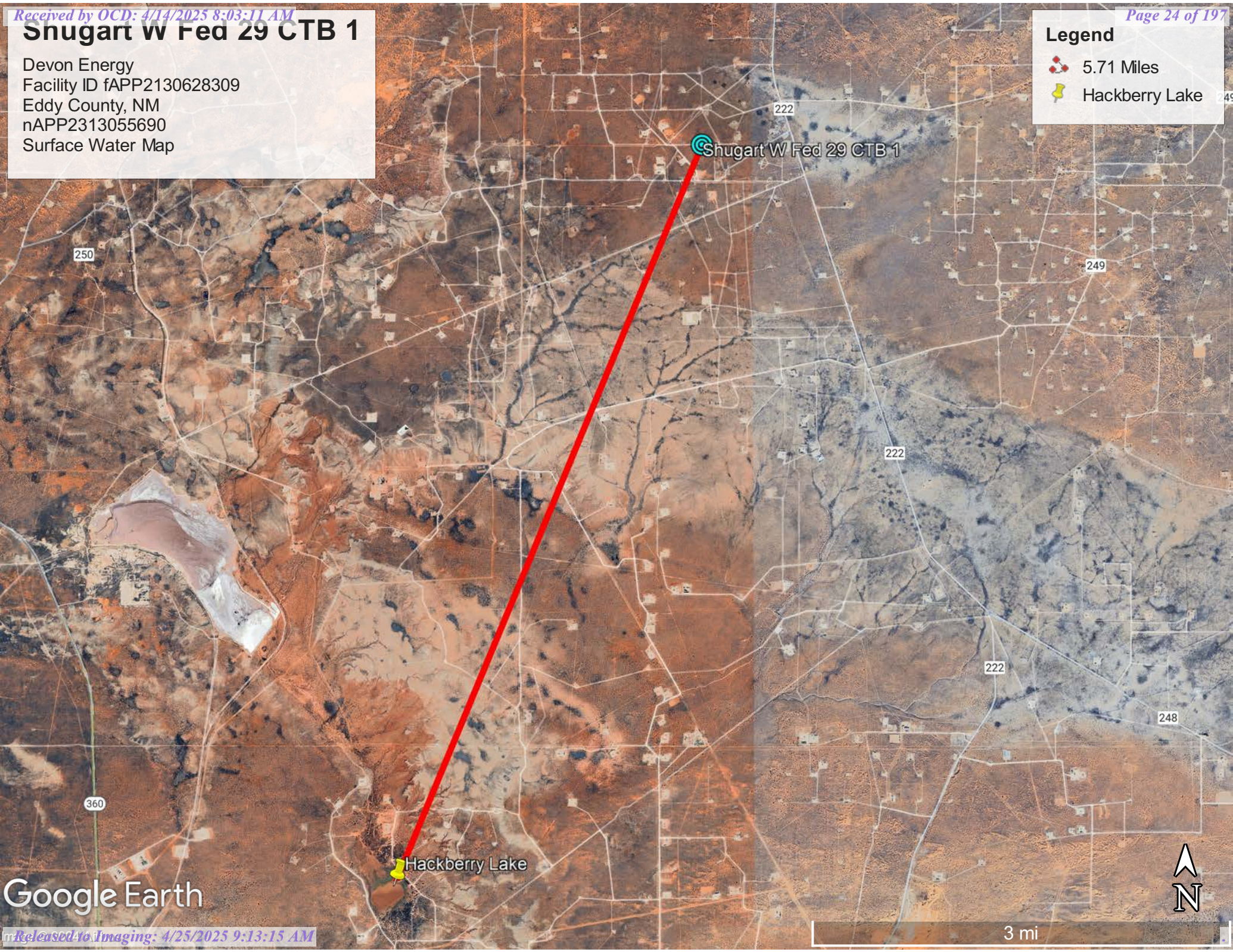


# Shugart W Fed 29 CTB 1

Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Surface Water Map

## Legend

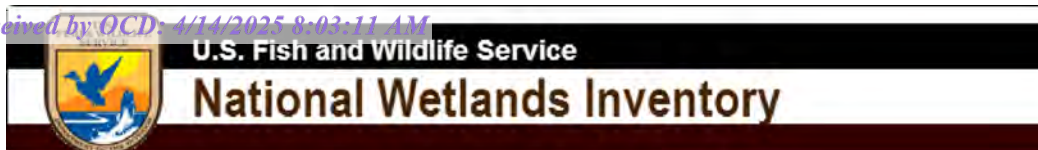
- 5.71 Miles
- Hackberry Lake



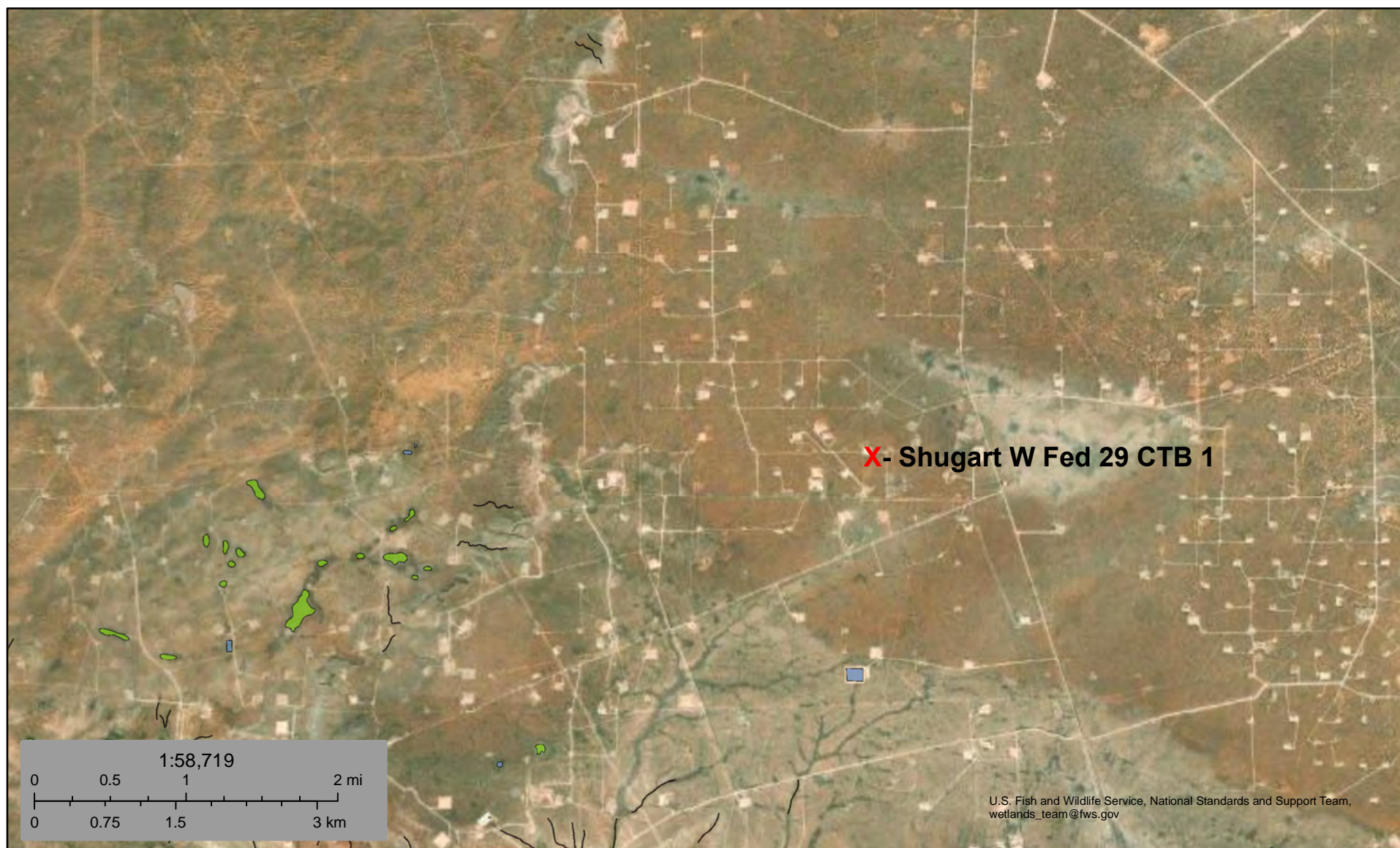
Google Earth

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) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

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

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



## APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



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

Shugart W Fed 29 CTB 1 | nAPP2313055690

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**

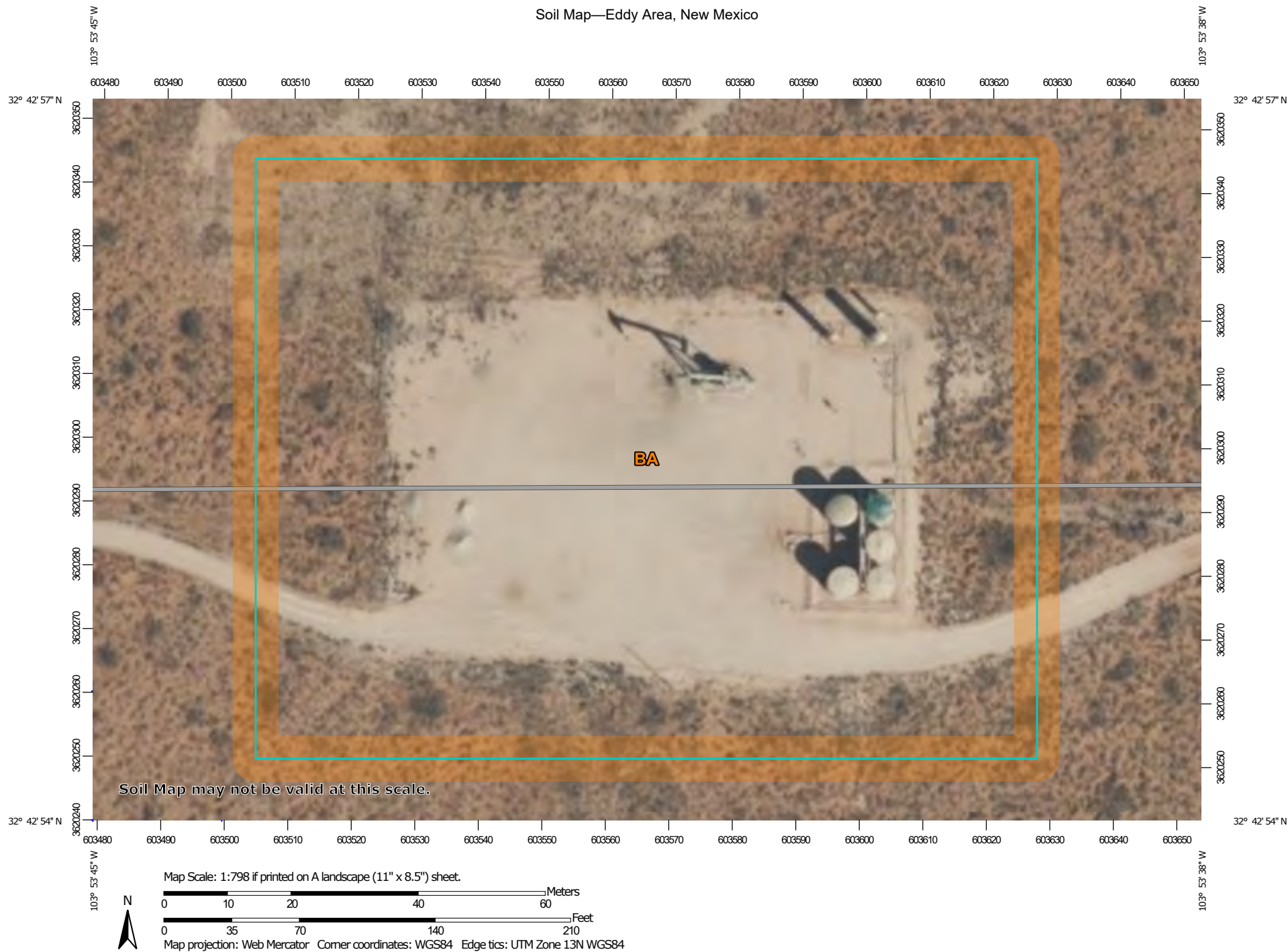
##### **Pajarito**

*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



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

7/9/2024  
Page 1 of 3



## 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.

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%



# Shugart W Fed 29 CTB 1

Devon Energy  
Facility ID fAPP2130628309  
Eddy County, NM  
nAPP2313055690  
Geologic Unit Map

## Legend

-  Eolian and piedmont deposits
-  Quartermaster and Rustler Formations

Shugart W Fed 29 CTB 1

250

222



1 mi

Google Earth



## APPENDIX C

### 48-Hour Notification



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

Shugart W Fed 29 CTB 1 | nAPP2313055690

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 433042

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 433042
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2313055690
Incident Name	NAPP2313055690 SHUGART W FED 29 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2130628309] SHUGART W FED 29 CTB 1

Location of Release Source	
Site Name	SHUGART W FED 29 CTB 1
Date Release Discovered	05/10/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	890
What is the estimated number of samples that will be gathered	13
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	07:30 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/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 433042

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 433042
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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



## APPENDIX D

### Photographic Documentation

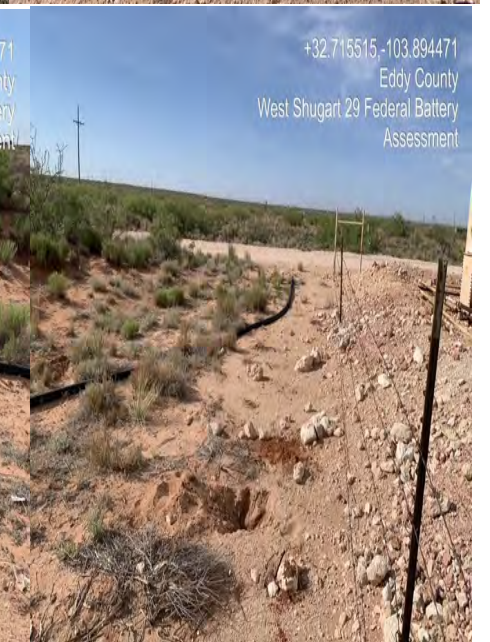
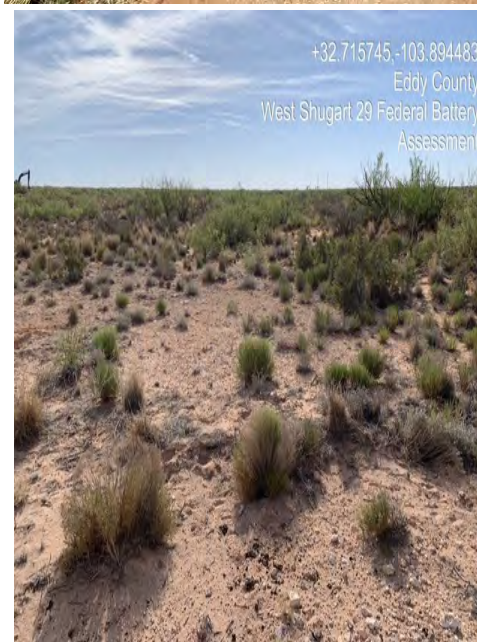
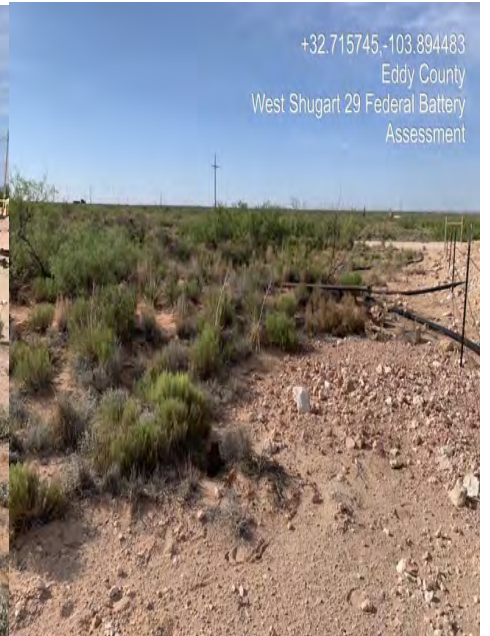
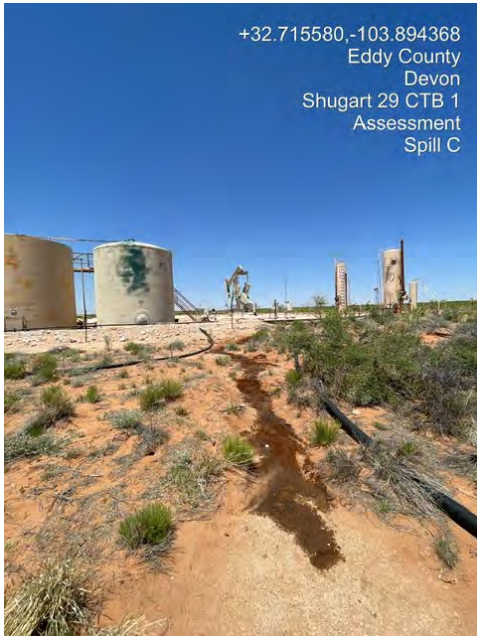
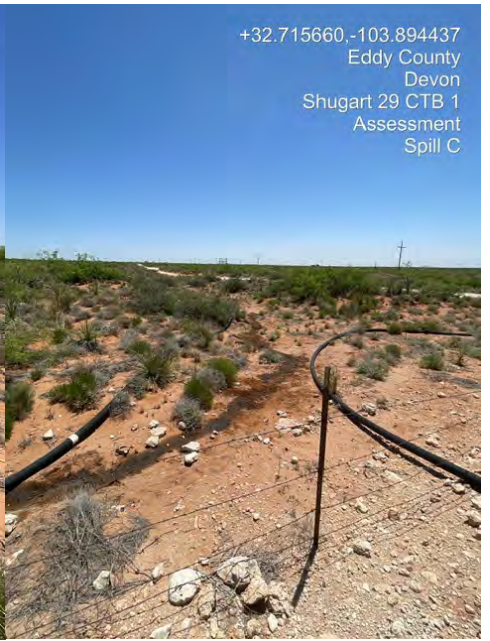
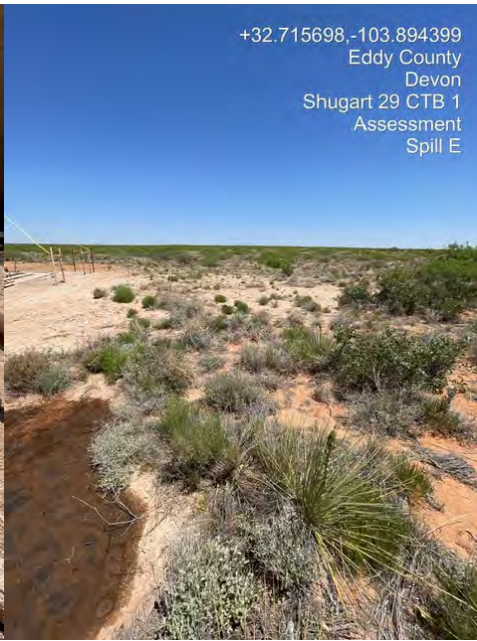


Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Shugart W Fed 29 CTB 1 | nAPP2313055690

DEVON ENERGY PRODUCTION, LP.





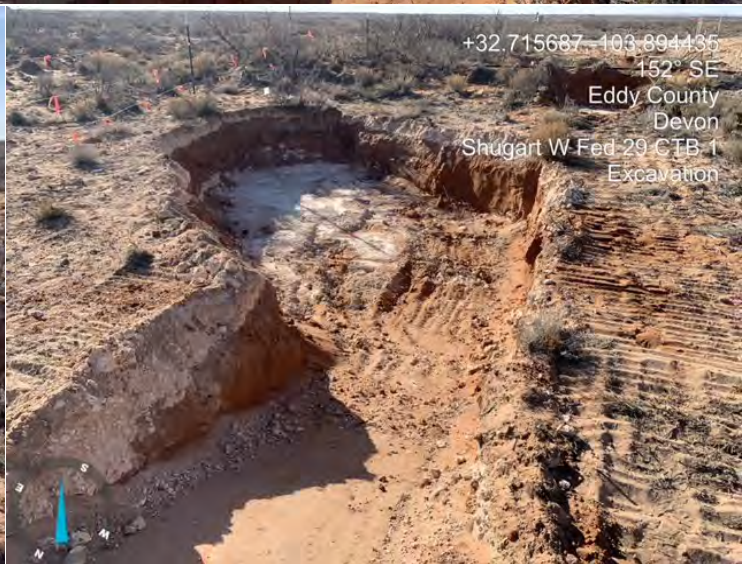








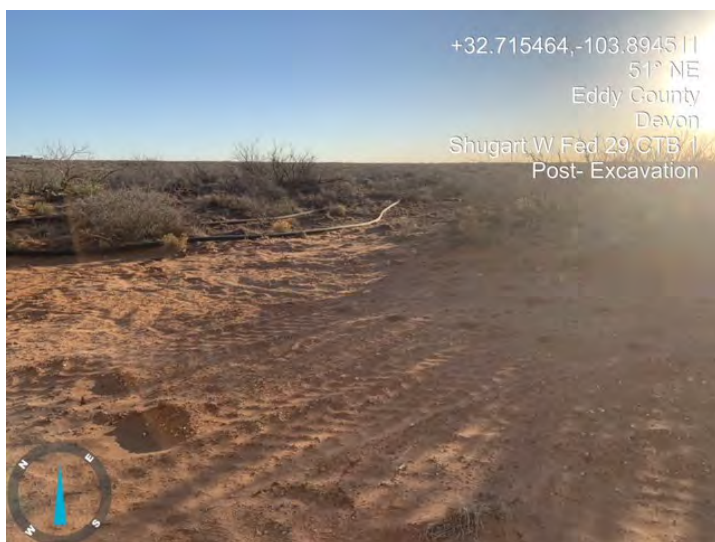








Backfill/Reclamation







# APPENDIX E

## Laboratory Reports



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

Shugart W Fed 29 CTB 1 | nAPP2313055690

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: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/26/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/26/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

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

Tom Bynum,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

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



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## Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1 - 1'	E305133-01A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 2'	E305133-02A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C1 - 3'	E305133-03A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 1'	E305133-04A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 2'	E305133-05A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C2 - 3'	E305133-06A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 1'	E305133-07A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 2'	E305133-08A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
C3 - 3'	E305133-09A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW1	E305133-10A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW2	E305133-11A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW3	E305133-12A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
CW4	E305133-13A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 1'	E305133-14A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 2'	E305133-15A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 3'	E305133-16A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
D1 - 4'	E305133-17A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW1	E305133-18A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW2	E305133-19A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
DW3	E305133-20A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 1'	E305133-21A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 2'	E305133-22A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 3'	E305133-23A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
E1 - 4'	E305133-24A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW1	E305133-25A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW2	E305133-26A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.
EW3	E305133-27A	Soil	05/12/23	05/23/23	Glass Jar, 2 oz.



## 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

## C1 - 1'

## E305133-01

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





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C1 - 2'

E305133-02

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C1 - 3'

E305133-03

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





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C2 - 1'

E305133-04

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C2 - 2'

E305133-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321038	
Chloride	ND	20.0	1	05/23/23	05/24/23	





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C2 - 3'

E305133-06

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C3 - 1'

E305133-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Benzene	ND	0.0500	2	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

C3 - 2'

E305133-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

C3 - 3'

E305133-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

## CW1

## E305133-10

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## CW2

## E305133-11

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## CW3

## E305133-12

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





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## CW4

## E305133-13

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

D1 - 1'

E305133-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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

D1 - 2'

E305133-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Gasoline Range Organics (C6-C10)	ND	100	5	05/23/23	05/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		05/23/23	05/24/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2321042	
Diesel Range Organics (C10-C28)	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	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2321038	
Chloride	ND	20.0	1	05/23/23	05/24/23	





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

D1 - 3'

E305133-16

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

D1 - 4'

E305133-17

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## DW1

## E305133-18

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





## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## DW2

## E305133-19

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## DW3

## E305133-20

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

E1 - 1'

E305133-21

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

E1 - 2'

E305133-22

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

E1 - 3'

E305133-23

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

E1 - 4'

E305133-24

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

## EW1

## E305133-25

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## EW2

## E305133-26

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



## Sample Data

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

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

**Reported:**  
5/26/2023 2:49:17PM

## EW3

## E305133-27

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





## QC Summary Data

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

Analyst: SL

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

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

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

## LCS (2321021-BS1)

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

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

## Matrix Spike (2321021-MS1)

Source: E305129-27

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

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

## Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

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

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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	Project Name:	Shugart W Fed 29 CTB 1	Reported:  5/26/2023 2:49:17PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

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

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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

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

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.





## Chain of Custody

## Project Information

Client: Pima Environmental Services	Bill To	Lab Use Only		TAT				EPA Program	
Project: <u>Shogart W Fed. 19CTB1</u>	Attention: <u>De Von</u>	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	<u>E 305183</u>	<u>01058-0007</u>				<u>*</u>		
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method							RCRA
City, State, Zip <u>Hobbs, NM. 88240</u>	Phone:							State	
Phone: 580-748-1613	Email:	TO by 8015	TO by 8015	8021	80260	8010	300.0	NM	TX
Email: <u>tom@pimaoil.com</u>								NM	CO
Report due by:	Pima Project # <u>205-2</u>							UT	AZ
								TX	

[illegible]

**Additional Instructions:**

B# 21165881

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

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) \_\_\_\_\_

Date \_\_\_\_\_

Time

Received by: (Signature)

Date \_\_\_\_\_

Time

Received on ice:

Lab Use Only

 $\odot / N$ 

Relinquished by: (Signature)

Date \_\_\_\_\_

Time

Received by: (Signature)

Date \_\_\_\_\_

Time

T1

T2

T3

Relinquished by: (Signature)

Date \_\_\_\_\_

Time

Received by: (Signature)

Date \_\_\_\_\_

Time

AVG Temp °C 9

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

C = clear; T = top; g = glass; p = poly/plastic; ag = amber glass; v = VOA

The model for the analysis is of the above:

10042370 amount paid for on the report.



## Project Information

## Chain of Custody

Page 4 of 5

|   |                 |              |             |             |  |         |         |  |  |   |  |  |  |         |                          |  |  |  |                                 |  |
|---|-----------------|--------------|-------------|-------------|--|---------|---------|--|--|---|--|--|--|---------|--------------------------|--|--|--|---------------------------------|--|
| Client: Pima Environmental Services<br>Project: <u>Shogast W. Fed 29 CTB1</u><br>Project Manager: Tom Bynum<br>Address: 5614 N. Lovington Hwy.<br>City, State, Zip: Hobbs, NM, 88240<br>Phone: 580-748-1613<br>Email: tom@pimaoil.com<br>Report due by: |                 |              |             |             | Bill To<br>Attention: <u>Devon</u><br>Address:<br>City, State, Zip:<br>Phone:<br>Email:<br>Pima Project # <u>205-2</u> |         |         |  |  | Lab Use Only<br>Lab WO# <u>E305133</u> Job Number <u>01058-0007</u> |  |  |  |         | TAT<br>1D 2D 3D Standard |  |  |  | EPA Program<br>CWA SDWA<br>RCRA |  |
| Analysis and Method   |                 |              |             |             |  |         |         |  |  | State<br>NM CO UT AZ TX   |  |  |  | Remarks |                          |  |  |  |                                 |  |
| DRO/ORO by 8015   | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0   | BDOC NM | BDOC TX |  |  |   |  |  |  |         |                          |  |  |  |                                 |  |
| 10:35   | 5/12/23         | S            | 1           | CW2         | 11   |         |         |  |  |   |  |  |  |         |                          |  |  |  |                                 |  |
| 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:

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: 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)<br><u>Verine Hoan</u>  | Date<br><u>5-22-23</u> | Time<br><u>200</u>  | Received by: (Signature)<br><u>[Signature]</u>  | Date<br><u>5-22-23</u> | Time<br><u>1400</u> | Lab Use Only<br>Received on ice: <u>(Y) N</u><br>T1 T2 T3<br>AVG Temp °C <u>4</u> |
| Relinquished by: (Signature)<br><u>[Signature]</u>  | Date<br><u>5-22-23</u> | Time<br><u>1730</u> | Received by: (Signature)<br><u>Andrew mcsso</u> | Date<br><u>5-22-23</u> | Time<br><u>1800</u> |   |
| Relinquished by: (Signature)<br><u>Andrew mcsso</u> | Date<br><u>5-22-23</u> | Time<br><u>2400</u> | Received by: (Signature)<br><u>Carla Man</u>    | Date<br><u>5/23/23</u> | Time<br><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.



## Project Information

## Chain of Custody

Page 5 of 5

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

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/DRO 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: 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)<br><u>Karime Adame</u> | Date<br><u>5/22/23</u> | Time<br><u>2:00</u> | Received by: (Signature)<br><u>[Signature]</u>  | Date<br><u>5.22.23</u> | Time<br><u>1400</u> | Lab Use Only<br>Received on ice: <u>(Y) N</u> |
| Relinquished by: (Signature)<br><u>[Signature]</u>  | Date<br><u>5.22.23</u> | Time<br><u>1730</u> | Received by: (Signature)<br><u>Andrew Mueso</u> | Date<br><u>5.22.23</u> | Time<br><u>1900</u> | T1 _____ T2 _____ T3 _____                    |
| Relinquished by: (Signature)<br><u>Andrew Mueso</u> | Date<br><u>5.22.23</u> | Time<br><u>2400</u> | Received by: (Signature)<br><u>Cathy Tran</u>   | Date<br><u>5/23/23</u> | Time<br><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 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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 

|                      |     |
|----------------------|-----|
| Sample ID?           | Yes |
| Date/Time Collected? | 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

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

Date



envirotech Inc.





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

June 12, 2024

GIO GOMEZ

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: WEST SHUGART 29 FEDERAL BATTERY

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

| BTX 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 BTX      | <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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 06/06/2024  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

| BTX 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 BTX      | <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

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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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

| BTX 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 BTX      | <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

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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2024 | 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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\*=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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

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

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/07/2024 | ND              | 193 | 96.6       | 200           | 0.952 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/07/2024 | ND              | 216 | 108        | 200           | 0.839 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/07/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/06/2024  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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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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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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, 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 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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**Analytical Results For:**

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

Received: 06/06/2024  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

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

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/07/2024 | ND              | 193 | 96.6       | 200           | 0.952 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/07/2024 | ND              | 216 | 108        | 200           | 0.839 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/07/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: DW 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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**Analytical Results For:**

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

Received: 06/06/2024  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

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

| BTX 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 BTX      | <0.300 | 0.300           | 06/08/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 06/10/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/07/2024 | ND              | 193 | 96.6       | 200           | 0.952 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/07/2024 | ND              | 216 | 108        | 200           | 0.839 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/07/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/06/2024  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: DW 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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\*=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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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, 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 99.7 % 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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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, 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 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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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  
Reported: 06/12/2024  
Project Name: WEST SHUGART 29 FEDERAL BATTERY  
Project Number: 205-2  
Project Location: DEVON

Sampling Date: 06/04/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 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

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

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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "C. D. Keene".

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Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|  |                   |                   |              |                       |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
|--|-------------------|-------------------|--------------|-----------------------|------------|----------|-----|-------------------------|---------|------------|------------|---------|---------------|-------------|------------|-------------|-----------------|--|--|--|--|--|--|--|--|--|--|
| Company Name: Pima Environmental Services            |                   |                   |              | <b>BILL TO</b>        |            |          |     | <b>ANALYSIS REQUEST</b> |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Project Manager: Gio Gomez                           |                   |                   |              | P.O. #:               |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Address: 5614 N. Lovington Hwy                       |                   |                   |              | Company: <i>Devon</i> |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| City: Hobbs State: NM Zip: 88240                     |                   |                   |              | Attn:                 |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Phone #: 575-964-7740 Fax #:                         |                   |                   |              | Address:              |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Project #: <i>205-2</i> Project Owner: <i>Devon</i>  |                   |                   |              | City:                 |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Project Name: <i>West Shugart 29 Federal Battery</i> |                   |                   |              | State: Zip:           |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Project Location:                                    |                   |                   |              | Phone #:              |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Sampler Name:  |                   |                   |              | Fax #:                |            |          |     |                         |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY                                     |                   |                   |              | MATRIX                |            | PRESERV. |     | SAMPLING                |         |            |            |         |               |             |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.   | Sample I.D.       | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER           | WASTEWATER | SOIL     | OIL | SLUDGE                  | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE          | TIME        |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>H243219</i>                                       | <i>55 Row 24</i>  | <i>G</i>          |              |                       |            | <i>X</i> |     |                         |         |            | <i>X</i>   |         | <i>6/4/24</i> | <i>8:20</i> | <i>TPH</i> | <i>BTEX</i> | <i>Chloride</i> |  |  |  |  |  |  |  |  |  |  |
| <i>+1</i>  | <i>SW1 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               |             | <i>X</i>   | <i>X</i>    | <i>X</i>        |  |  |  |  |  |  |  |  |  |  |
| <i>+2</i>  | <i>SW2 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>8:31</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+3</i>  | <i>SW3 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>8:39</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+4</i>  | <i>SW4 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>8:46</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+5</i>  | <i>CW1 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>8:51</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+6</i>  | <i>CW2 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>8:54</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+7</i>  | <i>CW3 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>9:07</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+8</i>  | <i>CW4 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>9:17</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>+9</i>  | <i>DW1 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>9:23</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |
| <i>2070</i>  | <i>DW2 (0-4')</i> |                   |              |                       |            |          |     |                         |         |            |            |         |               | <i>9:34</i> |            |             |                 |  |  |  |  |  |  |  |  |  |  |

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|                              |               |   |                           |  |                |
|------------------------------|---------------|---|---------------------------|--|----------------|
| Relinquished By:             | Date:         | Received By:  | Phone Result:             | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| <i>Karime Adams</i>          | <i>6/6/24</i> | <i>Spadkriany</i>   | Fax Result:               | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #:   |
| Relinquished By:             | Date:         | Received By:  | REMARKS: <i>Standard</i>  |  |                |
|                              | Time:         |   | <i>tom@pimaoil.com</i>    |  |                |
| Delivered By: (Circle One)   |               | Sample Condition  | CHECKED BY:               |  |                |
| Sampler - UPS - Bus - Other: | <i>-3.8</i>   | Cool <input type="checkbox"/> Intact <input type="checkbox"/> | <i>8K</i>                 |  |                |
|                              | <i>#140</i>   | Yes <input type="checkbox"/> No <input type="checkbox"/>      | <i>Billing # 21165881</i> |  |                |

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





# CARDINAL

## Laboratories

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
|--|-----------|-------------|----------------|-----------------------|-------------|------------|------|-------------------------|--------|----------|------------|------------|-------------------------|--------------|---|---------|------|------|--|
| Company Name: Pima Environmental Services            |           |             |                | <b>BILL TO</b>        |             |            |      | <b>ANALYSIS REQUEST</b> |        |          |            |            |                         |              |   |         |      |      |  |
| Project Manager: Gio Gomez                           |           |             |                | P.O. #:               |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Address: 5614 N. Lovington Hwy                       |           |             |                | Company: <i>Devon</i> |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| City: Hobbs State: NM Zip: 88240                     |           |             |                | Attn:                 |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Phone #: 575-964-7740 Fax #:                         |           |             |                | Address:              |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Project #: <i>205-2</i> Project Owner: <i>Devon</i>  |           |             |                | City:                 |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Project Name: <i>West Shugart 29 Federal Battery</i> |           |             |                | State: Zip:           |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Project Location:                                    |           |             |                | Phone #:              |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Sampler Name:  |           |             |                | Fax #:                |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| FOR LAB USE ONLY                                     |           |             |                |                       |             |            |      |                         |        |          |            |            |                         |              |   |         |      |      |  |
| Lab I.D.   |           | Sample I.D. |                | # CONTAINERS          | MATRIX      |            |      |                         |        | PRESERV. | SAMPLING   |            | TPH<br>BTEX<br>Chloride |              |   |         |      |      |  |
|  |           |             |                |                       | GROUNDWATER | WASTEWATER | SOIL | OIL                     | SLUDGE | OTHER :  | ACID/BASE: | ICE / COOL |                         |              |   | OTHER : | DATE | TIME |  |
| <i>11</i>  | <i>55</i> | <i>82</i>   | <i>6-16-24</i> | <i>5</i>              |             |            | X    |                         |        |          | X          |            | <i>6/14/24</i>          | <i>9:46</i>  | X | X       | X    |      |  |
| <i>22</i>  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         | <i>9:53</i>  |   |         |      |      |  |
| <i>23</i>  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         | <i>10:11</i> |   |         |      |      |  |
| <i>24</i>  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         | <i>10:17</i> |   |         |      |      |  |
| <i>25</i>  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         | <i>10:28</i> |   |         |      |      |  |
| <i>26</i>  |           |             |                |                       |             |            |      |                         |        |          |            |            |                         | <i>10:31</i> |   |         |      |      |  |

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|                              |                |  |                 |  |                |
|------------------------------|----------------|--|-----------------|--|----------------|
| Relinquished By:             | Date:          | Received By:   | Phone Result:   | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| <i>Karime Adame</i>          | <i>6-16-24</i> | <i>S. Woodrigney</i>                                     | Fax Result:     | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #:   |
| Relinquished By:             | Date:          | Received By:   | REMARKS:        |  |                |
|                              |                |  | <i>Standard</i> |  |                |
| Delivered By: (Circle One)   |                | Sample Condition   | CHECKED BY:     |  |                |
| Sampler - UPS - Bus - Other: |                | Cool Intact  | (Initials)      |  |                |
|                              | <i>-3-8</i>    | <input type="checkbox"/> Yes <input type="checkbox"/> No | <i>88</i>       |  |                |
|                              | <i>#140</i>    | <input type="checkbox"/> No <input type="checkbox"/> No  |                 |  |                |

† 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: 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.  
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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: 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](mailto:whinchman@envirotech-inc.com)

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## Sample Summary

|                                      |                  |                    |                |
|--------------------------------------|------------------|--------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W 29 Fed 1 | Reported:      |
| PO Box 247                           | Project Number:  | 01058-0007         |                |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum          | 06/21/23 17:01 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| S1 - 5'          | E306128-01A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S2 - 5'          | E306128-02A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S1 - 6'          | E306128-03A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S2 - 6'          | E306128-04A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S3 - 5'          | E306128-05A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S3 - 6'          | E306128-06A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S4 - 5'          | E306128-07A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| S4 - 6'          | E306128-08A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C1 - 4'          | E306128-09A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C2 - 4'          | E306128-10A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C1 - 6'          | E306128-11A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C2 - 6'          | E306128-12A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C3 - 4'          | E306128-13A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| C3 - 6'          | E306128-14A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| D1 - 5'          | E306128-15A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| D1 - 6'          | E306128-16A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| E1 - 5'          | E306128-17A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |
| E1 - 6'          | E306128-18A   | Soil   | 06/14/23 | 06/16/23 | Glass Jar, 2 oz. |



## 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

S1 - 5'

E306128-01

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

S2 - 5'

E306128-02

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S1 - 6'

E306128-03

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S2 - 6'

E306128-04

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S3 - 5'

E306128-05

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





## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S3 - 6'

E306128-06

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S4 - 5'

E306128-07

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

S4 - 6'

E306128-08

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C1 - 4'

E306128-09

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





## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C2 - 4'

E306128-10

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C1 - 6'

E306128-11

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C2 - 6'

E306128-12

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C3 - 4'

E306128-13

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





## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

C3 - 6'

E306128-14

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

D1 - 5'

E306128-15

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

D1 - 6'

E306128-16

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



## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

E1 - 5'

E306128-17

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





## Sample Data

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

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

**Reported:**  
6/21/2023 5:01:31PM

E1 - 6'

E306128-18

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



## QC Summary Data

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

## Volatile Organics by EPA 8021B

Analyst: IY

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

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

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

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

|                                 |     |      |     |     |                                       |        |                                       |    |    |
|---------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2325012-BLK1)            |     |      |     |     | Prepared: 06/19/23 Analyzed: 06/19/23 |        |                                       |    |    |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |    |
| LCS (2325012-BS1)               |     |      |     |     | Prepared: 06/19/23 Analyzed: 06/19/23 |        |                                       |    |    |
| Chloride                        | 252 | 20.0 | 250 |     | 101                                   | 90-110 |                                       |    |    |
| 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 |
| 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 |

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.



## Project Information

## Chain of Custody

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|   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|
| <b>Client:</b> Pima Environmental Services<br><b>Project:</b> <u>Shogert W 29 Pal 1</u><br><b>Project Manager:</b> Tom Bynum<br><b>Address:</b> 5614 N. Lovington Hwy.<br><b>City, State, Zip:</b> Hobbs, NM, 88240<br><b>Phone:</b> 580-748-1613<br><b>Email:</b> tom@pimaoil.com<br><b>Report due by:</b> |  |  |  |  | <b>Bill To</b><br><b>Attention:</b> <u>Debra</u><br><b>Address:</b><br><b>City, State, Zip:</b><br><b>Phone:</b><br><b>Email:</b><br><b>Pima Project #</b> <u>205-2</u> |  |  |  |  | <b>Lab Use Only</b><br><b>Lab WO#</b> <u>E306128</u> <b>Job Number</b> <u>01058-0007</u><br><b>Analysis and Method</b>  |  |  |  |  | <b>TAT</b><br><b>1D</b> <input type="checkbox"/> <b>2D</b> <input type="checkbox"/> <b>3D</b> <input type="checkbox"/> <b>Standard</b> <input checked="" type="checkbox"/> |  |  |  | <b>EPA Program</b><br><b>CWA</b> <input type="checkbox"/> <b>SDWA</b> <input type="checkbox"/><br><b>RCRA</b> <input type="checkbox"/> |  |
|   |  |  |  |  |   |  |  |  |  | <b>State</b><br><b>NM</b> <input checked="" type="checkbox"/> <b>CO</b> <input type="checkbox"/> <b>UT</b> <input type="checkbox"/> <b>AZ</b> <input type="checkbox"/> <b>TX</b> <input type="checkbox"/> |  |  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |   |  |  |  |  | <b>Remarks</b>  |  |  |  |  |  |  |  |  |  |  |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX |  |  |
|--------------|--------------|--------|-------------------|-----------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|--|--|
| 800          | 6/16/23      | S      | 1                 | 51-5'     | 1          |                 |                 |              |             |             |                | X        |          |  |  |
| 805          |              |        | 2                 | 52-5'     | 2          |                 |                 |              |             |             |                |          |          |  |  |
| 810          |              |        | 3                 | 51-6'     | 3          |                 |                 |              |             |             |                |          |          |  |  |
| 815          |              |        | 4                 | 52-6'     | 4          |                 |                 |              |             |             |                |          |          |  |  |
| 820          |              |        | 5                 | 53-5'     | 5          |                 |                 |              |             |             |                |          |          |  |  |
| 825          |              |        | 6                 | 53-6'     | 6          |                 |                 |              |             |             |                |          |          |  |  |
| 830          |              |        | 7                 | 54-5'     | 7          |                 |                 |              |             |             |                |          |          |  |  |
| 835          |              |        | 8                 | 54-6'     | 8          |                 |                 |              |             |             |                |          |          |  |  |
| 840          |              |        | 9                 | C1-4'     | 9          |                 |                 |              |             |             |                |          |          |  |  |
| 845          |              |        | 10                | C2-4'     | 10         |                 |                 |              |             |             |                |          |          |  |  |

**Additional Instructions:** Billig # 21165881

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

**Relinquished by: (Signature)** [Signature] **Date:** 6/15/23 **Time:** 230 **Received by: (Signature)** [Signature] **Date:** 6-15-23 **Time:** 1430

**Relinquished by: (Signature)** [Signature] **Date:** 6-15-23 **Time:** 1715 **Received by: (Signature)** [Signature] **Date:** 6-15-23 **Time:** 1730

**Relinquished by: (Signature)** [Signature] **Date:** 6-16-23 **Time:** 2400 **Received by: (Signature)** [Signature] **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.

**Lab Use Only**  
**Received on ice:** ☒ Y ☐ N  
**T1** **T2** **T3**  
**AVG Temp °C** 4



## Project Information

## Chain of Custody

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| <b>Client: Pima Environmental Services</b><br><b>Project:</b><br><b>Project Manager: Tom Bynum</b><br><b>Address: 5614 N. Lovington Hwy.</b><br><b>City, State, Zip Hobbs, NM, 88240</b><br><b>Phone: 580-748-1613</b><br><b>Email: tom@pimaoil.com</b><br><b>Report due by:</b> |              |        |                   |           | <b>Bill To</b><br><b>Attention: <u>Dan</u></b><br><b>Address:</b><br><b>City, State, Zip</b><br><b>Phone:</b><br><b>Email:</b><br><b>Pima Project # <u>205-2</u></b> |                 |                 |              |             | <b>Lab Use Only</b><br><b>Lab Work # <u>E306128</u></b> <b>Job Number <u>61058-0007</u></b><br><b>Analysis and Method</b><br>DRO/ORO by 8015<br>GRO/DRO by 8015<br>BTEX by 8021<br>VOC by 8260<br>Metals 6010<br>Chloride 300.0<br>BGDOC NM<br>BGDOC TX |                |          |          |         | <b>TAT</b><br>1D 2D 3D Standard |  |  |  | <b>EPA Program</b><br>CWA SDWA<br>RCRA<br>State<br>NM CO UT AZ TX |  |
|--|--------------|--------|-------------------|-----------|--|-----------------|-----------------|--------------|-------------|---|----------------|----------|----------|---------|---------------------------------|--|--|--|---|--|
| Time Sampled   | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number   | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010   | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks |                                 |  |  |  |   |  |
| 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:** Billing # 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) <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> |
| Relinquished by: (Signature) <u>[Signature]</u> | Date <u>6-15-23</u> | Time <u>1:15</u> | Received by: (Signature) <u>[Signature]</u> | Date <u>6-15-23</u> | Time <u>1:30</u> |
| Relinquished by: (Signature) <u>[Signature]</u> | Date <u>6-16-23</u> | Time <u>2:00</u> | Received by: (Signature) <u>[Signature]</u> | Date <u>6/16/23</u> | Time <u>7:35</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: 6/16/2023 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

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

Carrier: CourierComments/Resolution

Number of containers was listed incorrectly on COC when received 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 1 of 2

|   |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          |               |             |      |
|---|--------------|--------|-------------------|-----------|-----------------------------|-----------------|------------------------|--------------|------------------------------|--|----------------|----------|----------|---------------|-------------|------|
| Client: Pima Environmental Services   |              |        |                   |           | Bill To                     |                 | Lab Use Only           |              |                              |  | TAT            |          |          |               | EPA Program |      |
| Project: <u>Shogert W 29 Feb 1</u>  |              |        |                   |           | Attention: <u>Deane</u>     |                 | Lab WO# <u>E306/28</u> |              | Job Number <u>01058-0007</u> |  | 1D             | 2D       | 3D       | Standard      | CWA         | SDWA |
| Project Manager: Tom Bynum  |              |        |                   |           | Address:                    |                 | Analysis and Method    |              |                              |  |                |          |          |               | RCRA        |      |
| Address: 5614 N. Lovington Hwy.   |              |        |                   |           | City, State, Zip            |                 |                        |              |                              |  |                |          |          |               |             |      |
| City, State, Zip: Hobbs, NM, 88240  |              |        |                   |           | Phone:                      |                 |                        |              |                              |  |                |          |          |               |             |      |
| Phone: 580-748-1613   |              |        |                   |           | Email:                      |                 |                        |              |                              |  |                |          |          |               |             |      |
| Email: tom@pimaoil.com  |              |        |                   |           | Pima Project # <u>205-2</u> |                 |                        |              |                              |  |                |          |          |               |             |      |
| Report due by:  |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          |               |             |      |
| Time Sampled  | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number                  | DRO/ORO by 8015 | GRO/DRO by 8015        | BTEX by 8021 | VOC by 8260                  | Metals 6010  | Chloride 300.0 | BGDOC NM | BGDOC TX | State         |             |      |
|   |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          | NM            | CO          | UT   |
|   |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          | TX            | AZ          | TX   |
| Remarks   |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          |               |             |      |
| 800   | 6/16/23      | S      | 1                 | 51-5'     | 1                           |                 |                        |              |                              |  |                | X        |          | Corrected #   |             |      |
| 805   |              |        | 1                 | 52-5'     | 2                           |                 |                        |              |                              |  |                |          |          | of Containers |             |      |
| 810   |              |        | 1                 | 51-6'     | 3                           |                 |                        |              |                              |  |                |          |          | 6/16/23 CM    |             |      |
| 815   |              |        | 1                 | 52-6'     | 4                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 820   |              |        | 1                 | 53-5'     | 5                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 825   |              |        | 1                 | 53-6'     | 6                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 830   |              |        | 1                 | 54-5'     | 7                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 835   |              |        | 1                 | 54-6'     | 8                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 840   |              |        | 1                 | C1-4'     | 9                           |                 |                        |              |                              |  |                |          |          |               |             |      |
| 845   |              |        | 1                 | C2-4'     | 10                          |                 |                        |              |                              |  |                |          |          |               |             |      |
| Additional Instructions: <u>Fielding # 21165881</u>   |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          |               |             |      |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.  |              |        |                   |           |                             |                 |                        |              |                              | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. |                |          |          |               |             |      |
| Relinquished by: (Signature) <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>   |                |          |          |               |             |      |
| 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>   |                |          |          |               |             |      |
| 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>   |                |          |          |               |             |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  |              |        |                   |           |                             |                 |                        |              |                              | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA   |                |          |          |               |             |      |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |           |                             |                 |                        |              |                              |  |                |          |          |               |             |      |





## Project Information

## Chain of Custody

Page 2 of 2

|   |              |        |                   |                          |   |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
|---|--------------|--------|-------------------|--------------------------|---|-----------------|-----------------|---|-------------|---|----------------|---------|---------|---------|--------------------------|--|--|--|---------------------------------|--|
| Client: Pima Environmental Services<br>Project: <u>Shugart W 29 Fed 1</u><br>Project Manager: Tom Bynum<br>Address: 5614 N. Lovington Hwy.<br>City, State, Zip: Hobbs, NM, 88240<br>Phone: 580-748-1613<br>Email: tom@pimaoil.com<br>Report due by:   |              |        |                   |                          | Bill To<br>Attention: <u>Daniel</u><br>Address:<br>City, State, Zip:<br>Phone:<br>Email:<br>Pima Project # <u>205-2</u> |                 |                 |   |             | Lab Use Only<br>Lab Work: <u>E3060128</u> Job Number: <u>01058-0007</u><br>Analysis and Method  |                |         |         |         | TAT<br>1D 2D 3D Standard |  |  |  | EPA Program<br>CWA SDWA<br>RCRA |  |
|   |              |        |                   |                          |   |                 |                 |   |             | State<br>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 | BDOC NM | BDOC TX | Remarks |                          |  |  |  |                                 |  |
| 850   | 6/4/23       | S      | 1H                | C1-6"                    | 11  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 900   |              |        | 12                | C2-6"                    | 12  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 905   |              |        | 13                | C3-4"                    | 13  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 910   |              |        | 14                | C3-6"                    | 14  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 915   |              |        | 15                | D1-5"                    | 15  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 920   |              |        | 16                | D1-6"                    | 16  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 925   |              |        | 17                | E1-5"                    | 17  |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| 930   |              |        | 18                | E1-6"                    | 18  |                 |                 |   |             |   |                | X       |         |         |                          |  |  |  |                                 |  |
| Additional Instructions: <u>Bill # 21165881</u>   |              |        |                   |                          |   |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.   |              |        |                   |                          |   |                 |                 |   |             | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |                |         |         |         |                          |  |  |  |                                 |  |
| Relinquished by: (Signature)  |              | Date   | Time              | Received by: (Signature) |   | Date            | Time            | Lab Use Only<br>Received on ice: <u>Y/N</u> |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| Relinquished by: (Signature)  |              | Date   | Time              | Received by: (Signature) |   | Date            | Time            | T1 T2 T3                                    |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| Relinquished by: (Signature)  |              | Date   | Time              | Received by: (Signature) |   | Date            | Time            | AVG Temp °C <u>4</u>                        |             |   |                |         |         |         |                          |  |  |  |                                 |  |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  |              |        |                   |                          |   |                 |                 |   |             | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  |                |         |         |         |                          |  |  |  |                                 |  |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                          |   |                 |                 |   |             |   |                |         |         |         |                          |  |  |  |                                 |  |





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: E502224

Job Number: 01058-0007

Received: 2/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/25/25

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: 2/25/25



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1  
Workorder: E502224  
Date Received: 2/25/2025 5:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/25/2025 5:45:00AM, 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

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## Sample Summary

|                                      |                  |                        |                                    |
|--------------------------------------|------------------|------------------------|------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | <b>Reported:</b><br>02/25/25 14:52 |
| PO Box 247                           | Project Number:  | 01058-0007             |                                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              |                                    |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| 1-4.5'           | E502224-01A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| 2-4.5'           | E502224-02A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| 3-4.5'           | E502224-03A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| 4-4.5'           | E502224-04A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| 5-4.5'           | E502224-05A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W1-4.5'          | E502224-06A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W2-4.5'          | E502224-07A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W3-4.5'          | E502224-08A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W4-4.5'          | E502224-09A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W5-4.5'          | E502224-10A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W6-4.5'          | E502224-11A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W7-4.5'          | E502224-12A   | Soil   | 02/21/25 | 02/25/25 | Glass Jar, 2 oz. |
| W8-4.5'          | E502224-13A   | Soil   | 02/21/25 | 02/25/25 | 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:**  
2/25/2025 2:52:09PM

**1-4.5'**

**E502224-01**

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 81.5 %          | 70-130      | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 92.8 %          | 70-130      | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 89.7 %          | 61-141      | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |





## 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:**  
2/25/2025 2:52:09PM

2-4.5'

E502224-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   | 82.3 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   | 93.5 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   | 91.7 % | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

3-4.5'

E502224-03

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   | 81.1 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   | 93.3 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   | 89.4 % | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

4-4.5'

E502224-04

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   | 81.2 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   | 93.8 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   | 91.3 % | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

5-4.5'

E502224-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Benzene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 02/25/25    | 02/25/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 102 %           | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 94.7 %          | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2509034 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 02/25/25    | 02/25/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 104 %           | 61-141   | 02/25/25    | 02/25/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2509033 |
| Chloride  | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |





## 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:**  
2/25/2025 2:52:09PM

W1-4.5'

E502224-06

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Benzene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 02/25/25    | 02/25/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 105 %           | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 95.4 %          | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2509034 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 02/25/25    | 02/25/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 102 %           | 61-141   | 02/25/25    | 02/25/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2509033 |
| Chloride  | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |



## 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:**  
2/25/2025 2:52:09PM

W2-4.5'

E502224-07

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Benzene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 02/25/25    | 02/25/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 105 %           | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 95.2 %          | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2509034 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 02/25/25    | 02/25/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 104 %           | 61-141   | 02/25/25    | 02/25/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2509033 |
| Chloride  | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |



## 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:**  
2/25/2025 2:52:09PM

W3-4.5'

E502224-08

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 107 %           | 70-130      | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 96.3 %          | 70-130      | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 109 %           | 61-141      | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

W4-4.5'

E502224-09

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Benzene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 02/25/25    | 02/25/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 108 %           | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 96.1 %          | 70-130   | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2509034 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 02/25/25    | 02/25/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 114 %           | 61-141   | 02/25/25    | 02/25/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2509033 |
| Chloride  | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |





## 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:**  
2/25/2025 2:52:09PM

W5-4.5'

E502224-10

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 85.1 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 94.8 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            | 108 %  | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

W6-4.5'

E502224-11

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 85.9 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 93.7 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            | 109 %  | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

W7-4.5'

E502224-12

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Benzene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| Toluene   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 02/25/25 | 02/25/25       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 86.9 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2509031 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 92.8 % | 70-130          |             | 02/25/25 | 02/25/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2509034 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 02/25/25 | 02/25/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 02/25/25 | 02/25/25       |       |
| <i>Surrogate: n-Nonane</i>                            | 112 %  | 61-141          |             | 02/25/25 | 02/25/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2509033 |       |
| Chloride  | ND     | 20.0            | 1           | 02/25/25 | 02/25/25       |       |



## 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:**  
2/25/2025 2:52:09PM

W8-4.5'

E502224-13

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Benzene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 02/25/25    | 02/25/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   | 87.6 % | 70-130          |          | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2509031 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   | 93.4 % | 70-130          |          | 02/25/25    | 02/25/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2509034 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 02/25/25    | 02/25/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 02/25/25    | 02/25/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   | 111 %  | 61-141          |          | 02/25/25    | 02/25/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: DT |          | Batch: 2509033 |
| Chloride  | ND     | 20.0            | 1        | 02/25/25    | 02/25/25 |                |





QC Summary Data

|                                      |                  |                        |                     |
|--------------------------------------|------------------|------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:           |
| PO Box 247                           | Project Number:  | 01058-0007             |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 2/25/2025 2:52:09PM |

Volatile Organics by EPA 8021B

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 (2509031-BLK1) Prepared: 02/24/25 Analyzed: 02/24/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 6.94 |        | 8.00 |  | 86.8 | 70-130 |  |  |  |

LCS (2509031-BS1) Prepared: 02/24/25 Analyzed: 02/24/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 5.37 | 0.0250 | 5.00 |  | 107  | 70-130 |  |  |  |
| Ethylbenzene                        | 5.14 | 0.0250 | 5.00 |  | 103  | 70-130 |  |  |  |
| Toluene                             | 5.27 | 0.0250 | 5.00 |  | 105  | 70-130 |  |  |  |
| o-Xylene                            | 5.10 | 0.0250 | 5.00 |  | 102  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.4 | 0.0500 | 10.0 |  | 104  | 70-130 |  |  |  |
| Total Xylenes                       | 15.5 | 0.0250 | 15.0 |  | 104  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 6.87 |        | 8.00 |  | 85.9 | 70-130 |  |  |  |

LCS Dup (2509031-BS1) Prepared: 02/24/25 Analyzed: 02/24/25

|                                     |      |        |      |  |      |        |       |    |  |
|-------------------------------------|------|--------|------|--|------|--------|-------|----|--|
| Benzene                             | 5.38 | 0.0250 | 5.00 |  | 108  | 70-130 | 0.133 | 20 |  |
| Ethylbenzene                        | 5.16 | 0.0250 | 5.00 |  | 103  | 70-130 | 0.254 | 20 |  |
| Toluene                             | 5.28 | 0.0250 | 5.00 |  | 106  | 70-130 | 0.137 | 20 |  |
| o-Xylene                            | 5.12 | 0.0250 | 5.00 |  | 102  | 70-130 | 0.389 | 20 |  |
| p,m-Xylene                          | 10.5 | 0.0500 | 10.0 |  | 105  | 70-130 | 0.378 | 20 |  |
| Total Xylenes                       | 15.6 | 0.0250 | 15.0 |  | 104  | 70-130 | 0.381 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 6.88 |        | 8.00 |  | 85.9 | 70-130 |       |    |  |



QC Summary Data

|                                      |                  |                        |                                      |
|--------------------------------------|------------------|------------------------|--------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:<br><br>2/25/2025 2:52:09PM |
| PO Box 247                           | Project Number:  | 01058-0007             |                                      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              |                                      |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2509031-BLK1) Prepared: 02/24/25 Analyzed: 02/24/25

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.47 |      | 8.00 |  | 93.3 | 70-130 |  |  |  |

LCS (2509031-BS2) Prepared: 02/24/25 Analyzed: 02/24/25

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 40.2 | 20.0 | 50.0 |  | 80.4 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.54 |      | 8.00 |  | 94.3 | 70-130 |  |  |  |

LCS Dup (2509031-BSD2) Prepared: 02/24/25 Analyzed: 02/24/25

|   |      |      |      |  |      |        |      |    |  |
|---|------|------|------|--|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 42.2 | 20.0 | 50.0 |  | 84.4 | 70-130 | 4.88 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.51 |      | 8.00 |  | 93.9 | 70-130 |      |    |  |



QC Summary Data

|                                      |                  |                        |                     |
|--------------------------------------|------------------|------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:           |
| PO Box 247                           | Project Number:  | 01058-0007             |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 2/25/2025 2:52:09PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2509034-BLK1)            |      |      |      |  | Prepared: 02/25/25 Analyzed: 02/25/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 49.3 |      | 50.0 |  | 98.6                                  | 61-141 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2509034-BS1)               |      |      |      |  | Prepared: 02/25/25 Analyzed: 02/25/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 246  | 25.0 | 250  |  | 98.4                                  | 66-144 |  |  |  |
| Surrogate: n-Nonane             | 50.4 |      | 50.0 |  | 101                                   | 61-141 |  |  |  |

|                                 |      |      |      |  |                                       |        |      |    |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|------|----|--|
| LCS Dup (2509034-BSD1)          |      |      |      |  | Prepared: 02/25/25 Analyzed: 02/25/25 |        |      |    |  |
| Diesel Range Organics (C10-C28) | 234  | 25.0 | 250  |  | 93.5                                  | 66-144 | 5.11 | 20 |  |
| Surrogate: n-Nonane             | 48.7 |      | 50.0 |  | 97.3                                  | 61-141 |      |    |  |



QC Summary Data

|                                      |                  |                        |                     |
|--------------------------------------|------------------|------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:           |
| PO Box 247                           | Project Number:  | 01058-0007             |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 2/25/2025 2:52:09PM |

Anions by EPA 300.0/9056A

Analyst: DT

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

|                                 |     |      |     |    |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2509033-BLK1)            |     |      |     |    | Prepared: 02/25/25 Analyzed: 02/25/25 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |    |                                       |        |                                       |    |  |
| LCS (2509033-BS1)               |     |      |     |    | Prepared: 02/25/25 Analyzed: 02/25/25 |        |                                       |    |  |
| Chloride                        | 257 | 20.0 | 250 |    | 103                                   | 90-110 |                                       |    |  |
| Matrix Spike (2509033-MS1)      |     |      |     |    | Source: E502224-02                    |        | Prepared: 02/25/25 Analyzed: 02/25/25 |    |  |
| Chloride                        | 258 | 20.0 | 250 | ND | 103                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2509033-MSD1) |     |      |     |    | Source: E502224-02                    |        | Prepared: 02/25/25 Analyzed: 02/25/25 |    |  |
| Chloride                        | 261 | 20.0 | 250 | ND | 104                                   | 80-120 | 1.34                                  | 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              | 02/25/25 14:52 |

- 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: Pima Environmental Services, LLC  |              |         |                   | Company: Devon Energy                |              | Lab WO#             | Job Number      | 1D  | 2D           | 3D          | Std            | NM          | CO            | UT            | TX               |      |     |      |  |
| Project Name: Shugart W Fed 29 CTB 1  |              |         |                   | Address:                             |              | E502224             | 01058-0007      | X   |              |             |                | X           |               |               |                  |      |     |      |  |
| Project Manager: Tom Bynum  |              |         |                   | City, State, Zip:                    |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| Address: 5614 N Lovington Hwy   |              |         |                   | Phone:                               |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| City, State, Zip: Hobbs, NM 88240   |              |         |                   | Email:                               |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| Phone: (580)748-1613  |              |         |                   | Miscellaneous: Project No. # 1-205-2 |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| Email: Tom@pimaoil.com  |              |         |                   |                                      |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| Sample Information  |              |         |                   |                                      |              | Analysis and Method |                 |   |              |             |                | EPA Program |               |               |                  |      |     |      |  |
| Time Sampled  | Date Sampled | Matrix  | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/ORO by 8015 | GRO/DRO by 8015   | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM  | TEQ 1005 - TX | RCRA 8 Metals | Cation/Anion Pkg | SDWA | CWA | RCRA |  |
| 7:30  | 2/21/2025    | S       |                   | 1-4.5'                               |              | 1                   |                 |   |              |             |                | X           |               |               |                  |      |     |      |  |
| 7:33  |              |         |                   | 2-4.5'                               |              | 2                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:37  |              |         |                   | 3-4.5'                               |              | 3                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:40  |              |         |                   | 4-4.5'                               |              | 4                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:45  |              |         |                   | 5-4.5'                               |              | 5                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:49  |              |         |                   | W1-4.5'                              |              | 6                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:53  |              |         |                   | W2-4.5'                              |              | 7                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 7:59  |              |         |                   | W3-4.5'                              |              | 8                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 8:03  |              |         |                   | W4-4.5'                              |              | 9                   |                 |   |              |             |                |             |               |               |                  |      |     |      |  |
| 8:11  |              |         |                   | W5-4.5'                              |              | 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 | 11:42             | Karime Ahome                         |              | 2/24/25             | 7:50 AM         |   |              |             |                |             |               |               |                  |      |     |      |  |
| Relinquished by: (Signature)  |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            | Lab Use Only  |              |             |                |             |               |               |                  |      |     |      |  |
| Karime Ahome  |              | 2/24/25 | 9:00              | Michelle Gonzales                    |              | 2-24-25             | 0900            | Received on ice: <input checked="" type="radio"/> Y / N   |              |             |                |             |               |               |                  |      |     |      |  |
| Relinquished by: (Signature)  |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            | T1 _____ T2 _____ T3 _____  |              |             |                |             |               |               |                  |      |     |      |  |
| Michelle Gonzales   |              | 2-24-25 | 1530              | Gander Briggs                        |              | 2-24-25             | 1530            |   |              |             |                |             |               |               |                  |      |     |      |  |
| Relinquished by: (Signature)  |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            | AVG Temp oC   |              |             |                |             |               |               |                  |      |     |      |  |
| Gander Briggs   |              | 2-22-24 | 2215              | Cutter Mann                          |              | 2-25-25             | 545             | 4   |              |             |                |             |               |               |                  |      |     |      |  |
| Sample Matrix: S - Soil, SB - 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. |              |         |                   |                                      |              |                     |                 |   |              |             |                |             |               |               |                  |      |     |      |  |

[illegible]

## Envirotech Analytical Laboratory

Printed: 2/25/2025 9:07:36AM

## 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:  | 02/25/25 05:45             | Work Order ID: | E502224      |
| Phone:  | (575) 631-6977                       | Date Logged In: | 02/24/25 14:25             | Logged In By:  | Caitlin Mars |
| Email:  | tom@pimaoil.com                      | Due Date:       | 02/25/25 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

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

Carrier: CourierSample 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 InstructionComments/Resolution

No of containers not provided on COC.

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: E504010

Job Number: 01058-0007

Received: 4/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/9/25

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: 4/9/25

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shugart W Fed 29 CTB 1  
Workorder: E504010  
Date Received: 4/3/2025 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/3/2025 8:00:00AM, 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**  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

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## Sample Summary

|                                      |                  |                        |                |
|--------------------------------------|------------------|------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:      |
| PO Box 247                           | Project Number:  | 01058-0007             |                |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 04/09/25 09:16 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| B1-SURFACE       | E504010-01A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B1-1'            | E504010-02A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B2-SURFACE       | E504010-03A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B2-1'            | E504010-04A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B3-SURFACE       | E504010-05A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B3-1'            | E504010-06A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B4-SURFACE       | E504010-07A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B4-1'            | E504010-08A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B5-SURFACE       | E504010-09A   | Soil   | 04/01/25 | 04/03/25 | Glass Jar, 2 oz. |
| B5-1'            | E504010-10A   | Soil   | 04/01/25 | 04/03/25 | 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:**  
4/9/2025 9:16:41AM

### B1-SURFACE

**E504010-01**

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | <b>0.0330</b> | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND            | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: Bromofluorobenzene</i>                  |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>               |               | 95.1 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: Toluene-d8</i>                          |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: Bromofluorobenzene</i>                  |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>               |               | 95.1 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| <i>Surrogate: Toluene-d8</i>                          |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND            | 25.0            | 1        | 04/03/25    | 04/04/25 |                |
| Oil Range Organics (C28-C36)                          | ND            | 50.0            | 1        | 04/03/25    | 04/04/25 |                |
| <i>Surrogate: n-Nonane</i>                            |               | 90.7 %          | 61-141   | 04/03/25    | 04/04/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

B1-1'

E504010-02

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 105 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.1 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 105 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.1 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/04/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/04/25 |                |
| Surrogate: n-Nonane                                   |        | 89.4 %          | 61-141   | 04/03/25    | 04/04/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | 43.7   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |





## 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:**  
4/9/2025 9:16:41AM

## B2-SURFACE

## E504010-03

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 93.2 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 93.2 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/04/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/04/25 |                |
| Surrogate: n-Nonane                                   |        | 93.4 %          | 61-141   | 04/03/25    | 04/04/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

B2-1'

E504010-04

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | <b>0.0270</b> | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND            | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 96.3 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 105 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 96.3 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 105 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND            | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND            | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |               | 89.9 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

## B3-SURFACE

## E504010-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.4 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.4 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |        | 90.7 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | 38.6   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

B3-1'

E504010-06

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 103 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.5 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 103 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.5 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |        | 89.6 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | 68.8   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

## B4-SURFACE

E504010-07

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | <b>0.0330</b> | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND            | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 94.7 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 94.7 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND            | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND            | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |               | 89.9 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | <b>46.6</b>   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |





## 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:**  
4/9/2025 9:16:41AM

B4-1'

E504010-08

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.0 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 104 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.0 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |        | 89.5 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

## B5-SURFACE

## E504010-09

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | <b>0.0275</b> | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND            | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND            | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 102 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 94.7 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |               | 102 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |               | 94.7 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |               | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND            | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND            | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |               | 86.7 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | <b>48.6</b>   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## 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:**  
4/9/2025 9:16:41AM

B5-1'

E504010-10

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Benzene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/03/25    | 04/03/25 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 102 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.2 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2514093 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/03/25    | 04/03/25 |                |
| Surrogate: Bromofluorobenzene                         |        | 102 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.2 %          | 70-130   | 04/03/25    | 04/03/25 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 04/03/25    | 04/03/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KH |          | Batch: 2514089 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/03/25    | 04/05/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/03/25    | 04/05/25 |                |
| Surrogate: n-Nonane                                   |        | 94.3 %          | 61-141   | 04/03/25    | 04/05/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: AK |          | Batch: 2514098 |
| Chloride  | 52.9   | 20.0            | 1        | 04/03/25    | 04/03/25 |                |



## QC Summary Data

|                                      |                  |                        |                    |
|--------------------------------------|------------------|------------------------|--------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:          |
| PO Box 247                           | Project Number:  | 01058-0007             |                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 4/9/2025 9:16:41AM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2514093-BLK1)

Prepared: 04/03/25 Analyzed: 04/04/25

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.525 |        | 0.500 |  | 105  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.477 |        | 0.500 |  | 95.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.518 |        | 0.500 |  | 104  | 70-130 |  |  |  |

## LCS (2514093-BS1)

Prepared: 04/03/25 Analyzed: 04/03/25

|                                  |       |        |       |  |     |        |  |  |  |
|----------------------------------|-------|--------|-------|--|-----|--------|--|--|--|
| Benzene                          | 2.70  | 0.0250 | 2.50  |  | 108 | 70-130 |  |  |  |
| Ethylbenzene                     | 2.72  | 0.0250 | 2.50  |  | 109 | 70-130 |  |  |  |
| Toluene                          | 2.77  | 0.0250 | 2.50  |  | 111 | 70-130 |  |  |  |
| o-Xylene                         | 2.97  | 0.0250 | 2.50  |  | 119 | 70-130 |  |  |  |
| p,m-Xylene                       | 5.84  | 0.0500 | 5.00  |  | 117 | 70-130 |  |  |  |
| Total Xylenes                    | 8.81  | 0.0250 | 7.50  |  | 117 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.525 |        | 0.500 |  | 105 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.502 |        | 0.500 |  | 100 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.520 |        | 0.500 |  | 104 | 70-130 |  |  |  |

## Matrix Spike (2514093-MS1)

Source: E504010-04

Prepared: 04/03/25 Analyzed: 04/03/25

|                                  |       |        |       |        |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--------|------|--------|--|--|--|
| Benzene                          | 2.76  | 0.0250 | 2.50  | ND     | 110  | 48-131 |  |  |  |
| Ethylbenzene                     | 2.82  | 0.0250 | 2.50  | ND     | 113  | 45-135 |  |  |  |
| Toluene                          | 2.88  | 0.0250 | 2.50  | 0.0270 | 114  | 48-130 |  |  |  |
| o-Xylene                         | 3.08  | 0.0250 | 2.50  | ND     | 123  | 43-135 |  |  |  |
| p,m-Xylene                       | 6.13  | 0.0500 | 5.00  | ND     | 123  | 43-135 |  |  |  |
| Total Xylenes                    | 9.21  | 0.0250 | 7.50  | ND     | 123  | 43-135 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.533 |        | 0.500 |        | 107  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.492 |        | 0.500 |        | 98.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.526 |        | 0.500 |        | 105  | 70-130 |  |  |  |

## Matrix Spike Dup (2514093-MSD1)

Source: E504010-04

Prepared: 04/03/25 Analyzed: 04/03/25

|                                  |       |        |       |        |     |        |       |    |  |
|----------------------------------|-------|--------|-------|--------|-----|--------|-------|----|--|
| Benzene                          | 2.82  | 0.0250 | 2.50  | ND     | 113 | 48-131 | 2.15  | 23 |  |
| Ethylbenzene                     | 2.92  | 0.0250 | 2.50  | ND     | 117 | 45-135 | 3.53  | 27 |  |
| Toluene                          | 2.98  | 0.0250 | 2.50  | 0.0270 | 118 | 48-130 | 3.49  | 24 |  |
| o-Xylene                         | 3.10  | 0.0250 | 2.50  | ND     | 124 | 43-135 | 0.906 | 27 |  |
| p,m-Xylene                       | 6.15  | 0.0500 | 5.00  | ND     | 123 | 43-135 | 0.269 | 27 |  |
| Total Xylenes                    | 9.25  | 0.0250 | 7.50  | ND     | 123 | 43-135 | 0.482 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.528 |        | 0.500 |        | 106 | 70-130 |       |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.515 |        | 0.500 |        | 103 | 70-130 |       |    |  |
| Surrogate: Toluene-d8            | 0.528 |        | 0.500 |        | 106 | 70-130 |       |    |  |



QC Summary Data

|                                      |                  |                        |                                     |
|--------------------------------------|------------------|------------------------|-------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:<br><br>4/9/2025 9:16:41AM |
| PO Box 247                           | Project Number:  | 01058-0007             |                                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              |                                     |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

|                                  |       |      |       |  |                                       |        |  |  |  |
|----------------------------------|-------|------|-------|--|---------------------------------------|--------|--|--|--|
| Blank (2514093-BLK1)             |       |      |       |  | Prepared: 04/03/25 Analyzed: 04/04/25 |        |  |  |  |
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |                                       |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.525 |      | 0.500 |  | 105                                   | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.477 |      | 0.500 |  | 95.3                                  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.518 |      | 0.500 |  | 104                                   | 70-130 |  |  |  |

|                                  |       |      |       |  |                                       |        |  |  |  |
|----------------------------------|-------|------|-------|--|---------------------------------------|--------|--|--|--|
| LCS (2514093-BS2)                |       |      |       |  | Prepared: 04/03/25 Analyzed: 04/03/25 |        |  |  |  |
| Gasoline Range Organics (C6-C10) | 57.3  | 20.0 | 50.0  |  | 115                                   | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.535 |      | 0.500 |  | 107                                   | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.495 |      | 0.500 |  | 99.0                                  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.539 |      | 0.500 |  | 108                                   | 70-130 |  |  |  |

|                                  |       |      |       |    |                    |        |                                       |  |  |
|----------------------------------|-------|------|-------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2514093-MS2)       |       |      |       |    | Source: E504010-04 |        | Prepared: 04/03/25 Analyzed: 04/03/25 |  |  |
| Gasoline Range Organics (C6-C10) | 54.7  | 20.0 | 50.0  | ND | 109                | 70-130 |                                       |  |  |
| Surrogate: Bromofluorobenzene    | 0.521 |      | 0.500 |    | 104                | 70-130 |                                       |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.491 |      | 0.500 |    | 98.2               | 70-130 |                                       |  |  |
| Surrogate: Toluene-d8            | 0.530 |      | 0.500 |    | 106                | 70-130 |                                       |  |  |

|                                  |       |      |       |    |                    |        |                                       |    |  |
|----------------------------------|-------|------|-------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2514093-MSD2)  |       |      |       |    | Source: E504010-04 |        | Prepared: 04/03/25 Analyzed: 04/03/25 |    |  |
| Gasoline Range Organics (C6-C10) | 58.2  | 20.0 | 50.0  | ND | 116                | 70-130 | 6.18                                  | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.547 |      | 0.500 |    | 109                | 70-130 |                                       |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.482 |      | 0.500 |    | 96.4               | 70-130 |                                       |    |  |
| Surrogate: Toluene-d8            | 0.548 |      | 0.500 |    | 110                | 70-130 |                                       |    |  |





QC Summary Data

|                                      |                  |                        |                    |
|--------------------------------------|------------------|------------------------|--------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:          |
| PO Box 247                           | Project Number:  | 01058-0007             |                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 4/9/2025 9:16:41AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2514089-BLK1)            |      |      |      |  | Prepared: 04/03/25 Analyzed: 04/04/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 53.6 |      | 50.0 |  | 107                                   | 61-141 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2514089-BS1)               |      |      |      |  | Prepared: 04/03/25 Analyzed: 04/04/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 236  | 25.0 | 250  |  | 94.5                                  | 66-144 |  |  |  |
| Surrogate: n-Nonane             | 45.8 |      | 50.0 |  | 91.6                                  | 61-141 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2514089-MS1)      |      |      |      |    | Source: E504015-22 |        | Prepared: 04/03/25 Analyzed: 04/04/25 |  |  |
| Diesel Range Organics (C10-C28) | 249  | 25.0 | 250  | ND | 99.5               | 56-156 |                                       |  |  |
| Surrogate: n-Nonane             | 49.3 |      | 50.0 |    | 98.5               | 61-141 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2514089-MSD1) |      |      |      |    | Source: E504015-22 |        | Prepared: 04/03/25 Analyzed: 04/04/25 |    |  |
| Diesel Range Organics (C10-C28) | 266  | 25.0 | 250  | ND | 107                | 56-156 | 6.82                                  | 20 |  |
| Surrogate: n-Nonane             | 52.1 |      | 50.0 |    | 104                | 61-141 |                                       |    |  |



QC Summary Data

|                                      |                  |                        |                    |
|--------------------------------------|------------------|------------------------|--------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | Shugart W Fed 29 CTB 1 | Reported:          |
| PO Box 247                           | Project Number:  | 01058-0007             |                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum              | 4/9/2025 9:16:41AM |

Anions by EPA 300.0/9056A

Analyst: AK

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

|                                 |     |      |     |                                       |     |                                       |      |    |  |
|---------------------------------|-----|------|-----|---------------------------------------|-----|---------------------------------------|------|----|--|
| Blank (2514098-BLK1)            |     |      |     | Prepared: 04/03/25 Analyzed: 04/03/25 |     |                                       |      |    |  |
| Chloride                        | ND  | 20.0 |     |                                       |     |                                       |      |    |  |
| LCS (2514098-BS1)               |     |      |     | Prepared: 04/03/25 Analyzed: 04/03/25 |     |                                       |      |    |  |
| Chloride                        | 256 | 20.0 | 250 |                                       | 102 | 90-110                                |      |    |  |
| Matrix Spike (2514098-MS1)      |     |      |     | Source: E504010-05                    |     | Prepared: 04/03/25 Analyzed: 04/03/25 |      |    |  |
| Chloride                        | 296 | 20.0 | 250 | 38.6                                  | 103 | 80-120                                |      |    |  |
| Matrix Spike Dup (2514098-MSD1) |     |      |     | Source: E504010-05                    |     | Prepared: 04/03/25 Analyzed: 04/03/25 |      |    |  |
| Chloride                        | 302 | 20.0 | 250 | 38.6                                  | 105 | 80-120                                | 1.81 | 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              | 04/09/25 09:16 |

- 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

Page 1 of 1

| 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: Shugart W Fed 29 CTB 1  |              |        |                   | Address:                             |              | E504010      | 0058-0007           |   |              |             | X              | X          |                |               |                  |      |     |      |  |
| Project Manager: Tom Bynum  |              |        |                   | City, State, Zip:                    |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |
| Address: 5614 N Lovington Hwy   |              |        |                   | Phone:                               |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |
| City, State, Zip: Hobbs, NM 88240   |              |        |                   | Email:                               |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |
| Phone: (580)748-1613  |              |        |                   | Miscellaneous: Project No. # 1-205-2 |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |
| Email: Tom@pimaoil.com  |              |        |                   |                                      |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |
| Sample Information  |              |        |                   |                                      |              |              | Analysis and Method |   |              |             |                |            | EPA Program    |               |                  |      |     |      |  |
| Time Sampled  | Date Sampled | Matrix | No. of Containers | Sample ID                            | Field Filter | Lab Number   | DRO/GRO by 8015     | GRO/DRO by 8015   | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | Cation/Anion Pkg | SDWA | CWA | RCRA |  |
| 8:48  | 4/1/2025     | S      |                   | B1-SURFACE                           |              | 1            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 8:54  | 4/1/2025     | S      |                   | B1-1'                                |              | 2            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:05  | 4/1/2025     | S      |                   | B2-SURFACE                           |              | 3            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:16  | 4/1/2025     | S      |                   | B2-1'                                |              | 4            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:24  | 4/1/2025     | S      |                   | B3-SURFACE                           |              | 5            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:29  | 4/1/2025     | S      |                   | B3-1'                                |              | 6            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:37  | 4/1/2025     | S      |                   | B4-SURFACE                           |              | 7            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:43  | 4/1/2025     | S      |                   | B4-1'                                |              | 8            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:49  | 4/1/2025     | S      |                   | B5-SURFACE                           |              | 9            |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 9:54  | 4/1/2025     | S      |                   | B5-1'                                |              | 10           |                     |   |              |             |                | X          |                |               |                  |      |     |      |  |
| 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.<br>Lab Use Only<br>Received on ice: <u>0</u> / <u>N</u><br>T1 _____ T2 _____ T3 _____<br>AVG Temp oC <u>4</u> |              |             |                |            |                |               |                  |      |     |      |  |
| Andrew Franco   |              | 4/1/25 | 3:00              | Karime Adame                         |              | 4/2/25       | 9:00                |   |              |             |                |            |                |               |                  |      |     |      |  |
| Karime Adame  |              | 4/2/25 | 11:56             | Michelle Gonzales                    |              | 4-2-25       | 1156                |   |              |             |                |            |                |               |                  |      |     |      |  |
| Michelle Gonzales   |              | 4-2-25 | 1515              | P. T. J.                             |              | 4-2-25       | 1515                |   |              |             |                |            |                |               |                  |      |     |      |  |
| Relinquished by: (Signature)  |              | Date   | Time              | Received by: (Signature)             |              | Date         | Time                |   |              |             |                |            |                |               |                  |      |     |      |  |
| P. T. J.  |              | 4-2-25 | 2130              | C. T. J.                             |              | 4-3-25       | 800                 |   |              |             |                |            |                |               |                  |      |     |      |  |
| Sample Matrix: S - Soil, Sg - 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. |              |        |                   |                                      |              |              |                     |   |              |             |                |            |                |               |                  |      |     |      |  |

## Envirotech Analytical Laboratory

Printed: 4/3/2025 10:02:03AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                                      |                 |                            |                |          |
|---------|--------------------------------------|-----------------|----------------------------|----------------|----------|
| Client: | Pima Environmental Services-Carlsbad | Date Received:  | 04/03/25 08:00             | Work Order ID: | E504010  |
| Phone:  | (575) 631-6977                       | Date Logged In: | 04/02/25 16:18             | Logged In By:  | Noe Soto |
| Email:  | tom@pimaoil.com                      | Due Date:       | 04/09/25 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

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

Carrier: CourierComments/Resolution

No. of containers not listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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

QUESTIONS

Action 451429

**QUESTIONS**

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                      |   |
|----------------------|---|
| <b>Prerequisites</b> |   |
| Incident ID (n#)     | nAPP2313055690                            |
| Incident Name        | NAPP2313055690 SHUGART W FED 29 CTB 1 @ 0 |
| Incident Type        | Oil Release                               |
| Incident Status      | Reclamation Report Received               |
| Incident Facility    | [fAPP2130628309] SHUGART W FED 29 CTB 1   |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                        |
|-------------------------|------------------------|
| Site Name               | SHUGART W FED 29 CTB 1 |
| Date Release Discovered | 05/10/2023             |
| Surface Owner           | Federal                |

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

|  |  |
|--|--|
| Crude Oil Released (bbls) Details  | Cause: Equipment Failure   Pipeline (Any)   Crude Oil   Released: 7 BBL   Recovered: 0 BBL   Lost: 7 BBL.  |
| Produced Water Released (bbls) Details   | Not answered.  |
| 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) | Leak was found in a pin hole on the oil production pipe in between the heater and oil tanks within the earthen berm. The heater was isolated to stop the spill. As of this notification, recovered volumes are not available. Spill was not in a lined containment. 6.9 bbls oil spilled (estimated) |

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QUESTIONS, Page 2

Action 451429

**QUESTIONS (continued)**

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[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 | Unavailable.  |

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

|  |               |
|--|---------------|
| The source of the release has been stopped   | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why   | Not answered. |

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: James Raley<br>Title: EHS Professional<br>Email: jim.raley@dvni.com<br>Date: 03/17/2025 |
|--|---|

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QUESTIONS, Page 3

Action 451429

**QUESTIONS (continued)**

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| <b>Site Characterization</b>   |                                |
|--|--------------------------------|
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> |                                |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)   | Between 100 and 500 (ft.)      |
| What method was used to determine the depth to ground water  | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Greater than 5 (mi.)           |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Greater than 5 (mi.)           |
| An occupied permanent residence, school, hospital, institution, or church  | Between 1 and 5 (mi.)          |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Between 1 and 5 (mi.)          |
| Any other fresh water well or spring   | Between 1 and 5 (mi.)          |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Greater than 5 (mi.)           |
| A wetland  | Between 1 and 5 (mi.)          |
| A subsurface mine  | Between 1 and 5 (mi.)          |
| An (non-karst) unstable area   | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology   | Low                            |
| A 100-year floodplain  | Between 1 and 5 (mi.)          |
| Did the release impact areas not on an exploration, development, production, or storage site   | Yes                            |

| <b>Remediation Plan</b>   |            |
|---|------------|
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>  |            |
| Requesting a remediation plan approval with this submission   | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>  |            |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes        |
| Was this release entirely contained within a lined containment area   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)   |            |
| Chloride (EPA 300.0 or SM4500 Cl B)   | 2470       |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)   | 15626      |
| GRO+DRO (EPA SW-846 Method 8015M)   | 11184      |
| BTEX (EPA SW-846 Method 8021B or 8260B)   | 7.2        |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0.5        |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>  |            |
| On what estimated date will the remediation commence  | 02/19/2025 |
| On what date will (or did) the final sampling or liner inspection occur   | 02/21/2025 |
| On what date will (or was) the remediation complete(d)  | 02/26/2025 |
| 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   | 890        |
| What is the estimated volume (in cubic yards) that will be remediated   | 150        |
| <i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>  |            |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> |            |

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QUESTIONS, Page 4

Action 451429

**QUESTIONS (continued)**

|   |  |
|---|--|
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|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|  |   |
|--|---|
| <b>Remediation Plan (continued)</b>  |   |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>   |   |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |   |
| <i>(Select all answers below that apply.)</i>  |   |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)  | Yes   |
| Which OCD approved facility will be used for <b>off-site</b> disposal  | HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]  |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal  | Not answered.   |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state   | No  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility   | No  |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)  | No  |
| (In Situ) Soil Vapor Extraction  | No  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)  | No  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)   | No  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)   | No  |
| Ground Water Abatement pursuant to 19.15.30 NMAC   | No  |
| OTHER (Non-listed remedial process)  | No  |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>   |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |   |
| I hereby agree and sign off to the above statement   | Name: James Raley<br>Title: EHS Professional<br>Email: jim.raley@dv.com<br>Date: 03/17/2025 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>  |   |

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Oil Conservation Division  
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Action 451429

QUESTIONS (continued)

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

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



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QUESTIONS, Page 6

Action 451429

**QUESTIONS (continued)**

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| Sampling Event Information  |            |
|---|------------|
| Last sampling notification (C-141N) recorded  | 433042     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 02/21/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 13         |
| What was the sampling surface area in square feet   | 890        |

| 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  | 890  |
| What was the total volume (cubic yards) remediated   | 150  |
| 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   | 890  |
| What was the total volume (in cubic yards) reclaimed   | 150  |
| Summarize any additional remediation activities not included by answers (above)  | Areas will be reseeded with approved seed mix and monitored for vegetation growth            |
| <i>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>   |  |
| 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<br>Title: EHS Professional<br>Email: jim.raley@dvn.com<br>Date: 03/17/2025 |

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Action 451429

**QUESTIONS (continued)**

|   |  |
|---|--|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137   |
|   | Action Number:<br>451429   |
|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|  |  |
|--|--|
| <b>Reclamation Report</b>  |  |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i>   |  |
| Requesting a reclamation approval with this submission   | Yes  |
| What was the total reclamation surface area (in square feet) for this site   | 890  |
| What was the total volume of replacement material (in cubic yards) for this site   | 150  |
| <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 reseedling commence(d)  | 05/01/2025   |
| Summarize any additional reclamation activities not included by answers (above)  | Proposed revegetation plan will be followed  |
| <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 reseedling 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<br>Title: EHS Professional<br>Email: jim.raley@dmv.com<br>Date: 04/14/2025 |

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Action 451429

QUESTIONS (continued)

|   |  |
|---|--|
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|   | Action Number:<br><br>451429   |
|   | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|   |    |
|---|----|
| <b>Revegetation Report</b>  |    |
| <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> |    |

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CONDITIONS

Action 451429

**CONDITIONS**

|   |  |
|---|--|
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|   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**CONDITIONS**

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| jburdine   | 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.  | 4/25/2025      |
| jburdine   | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 4/25/2025      |