



REMEDIATION & RECLAMATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

March 12, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2
811 S First St
Artesia, NM 88210

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

RE: Remediation & Reclamation Closure 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 Remediation & Reclamation Closure 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 twenty-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.

REMEDICATION CLOSURE REQUEST

Based on the laboratory results, the contamination levels represented in all sample points are under regulatory limits according to the closure criteria outlined in the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Devon requests that this incident, nAPP231305560, be closed.

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.

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 (((Desired Stand in Plants per acre) / (1 - Expected Stand Loss)) / ((Seeds per lb.) x (% 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 reclamation 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 Reclamation Report and Reclamation Closure Request will be submitted once the site has reached a successful status.

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

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dvn.com.

Pima Environmental – Tom Bynum at 575-964-7740 or 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

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


Shugart W Fed 29 CTB 1 | nAPP2313055690

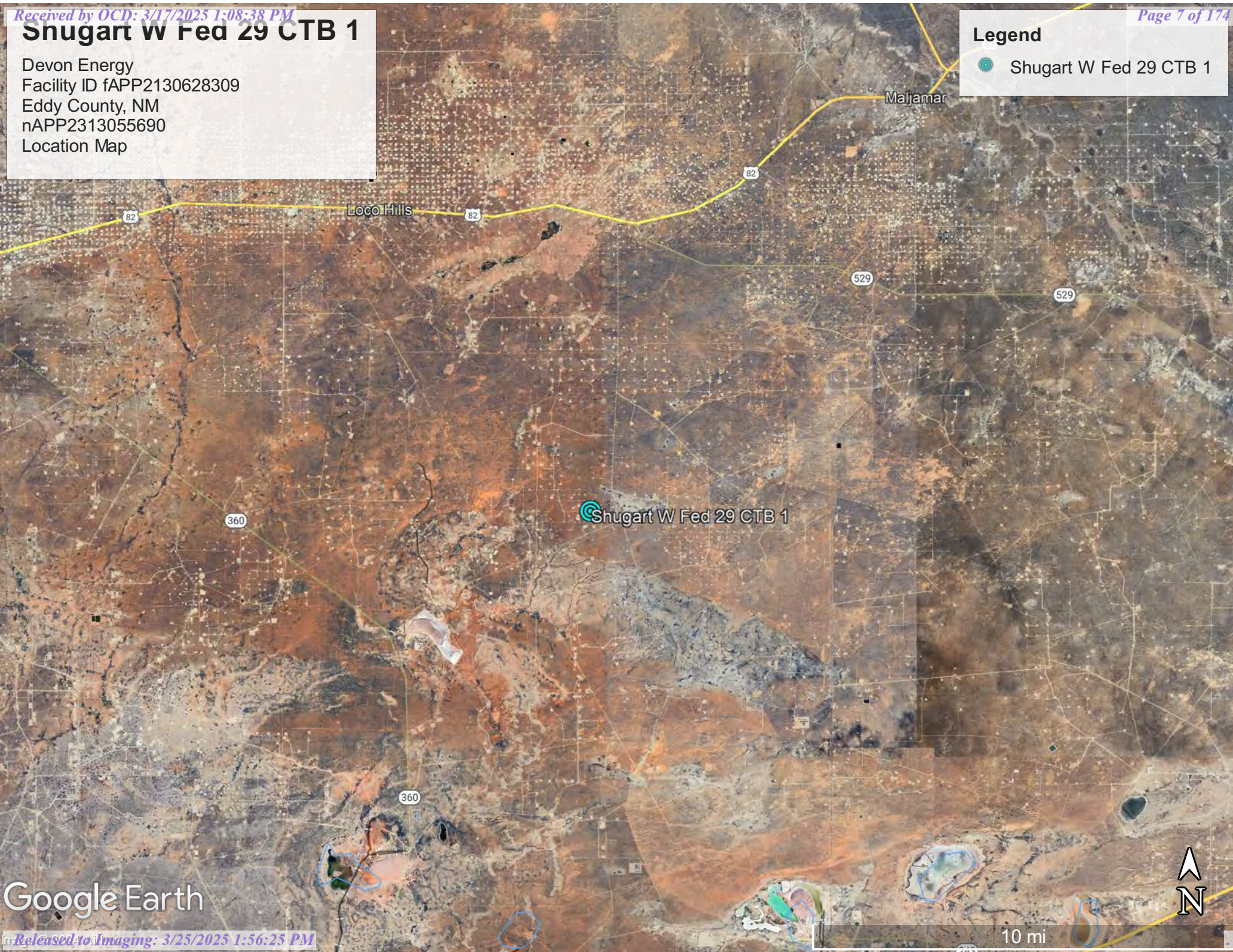
DEVON ENERGY PRODUCTION, LP.

Shugart W Fed 29 CTB 1

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

Legend

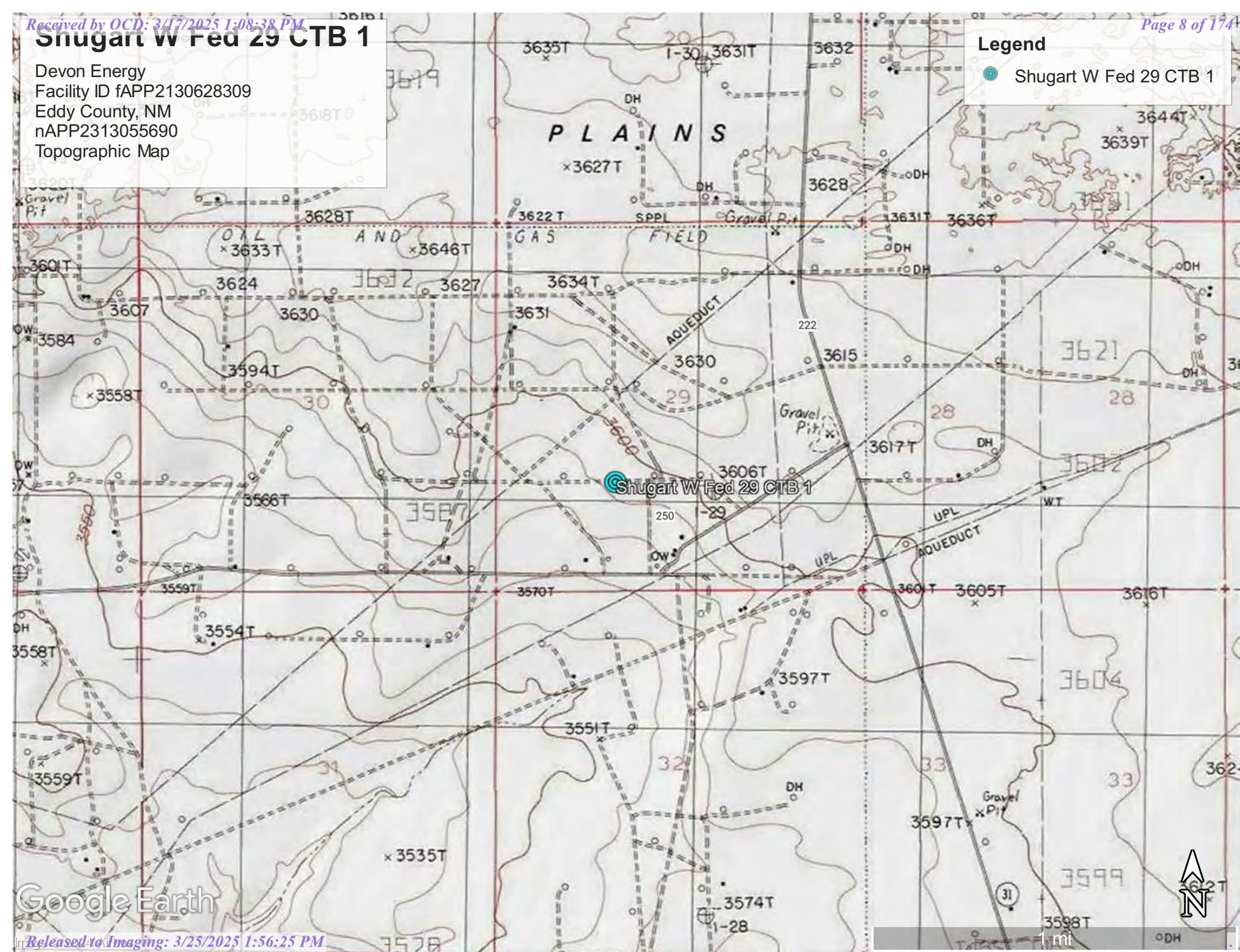
 Shugart W Fed 29 CTB 1



Google Earth

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
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Eddy County, NM
nAPP2313055690
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Shugart W Fed 29 CTB 1

250

222



1 mi

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	Cl 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	Cl 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

Shugart W Fed 29 CTB 1

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

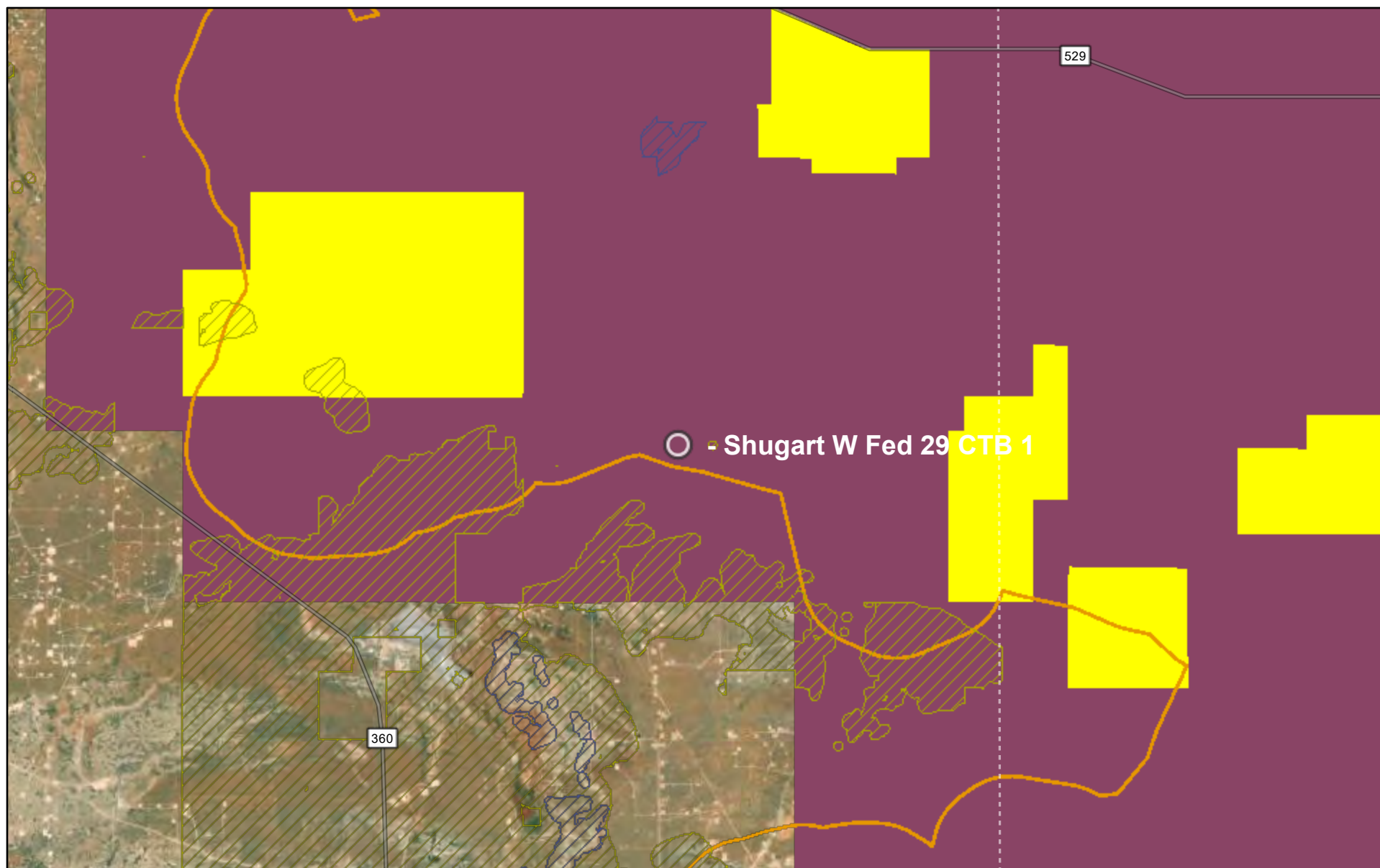
Legend

- 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

Special Status Plant/Wildlife Map



2/21/2025

Potential Habitat (Planning Area Only)

Scheer's beehive cactus

Tharp's blue-star

Dunes Sage Brush Lizard Habitat

Lesser Prairie Chicken Habitat

Habitat Evaluation Area

Isolated Population Area

World Imagery

Low Resolution 15m Imagery

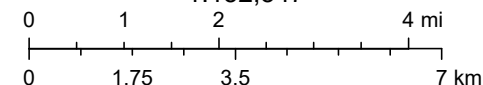
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:152,347



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

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

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
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
Total PLS/acre		17.75	

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.



APPENDIX A

Water Surveys

Water-Related Maps



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | 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
CP 00818 POD1		CP	LE	1	4	26	18S	30E		599289	3620364*	4276	240		
CP 00767 POD1		CP	ED	3	2	35	18S	30E		599300	3619158*	4416	500		
CP 00849 POD1		CP	LE	3	1	3	35	18S	31E	608012	3618757*	4707	300		
CP 01907 POD1		CP	ED	4	2	2	18	19S	31E	603017	3614737	5592			
CP 01985 POD1		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

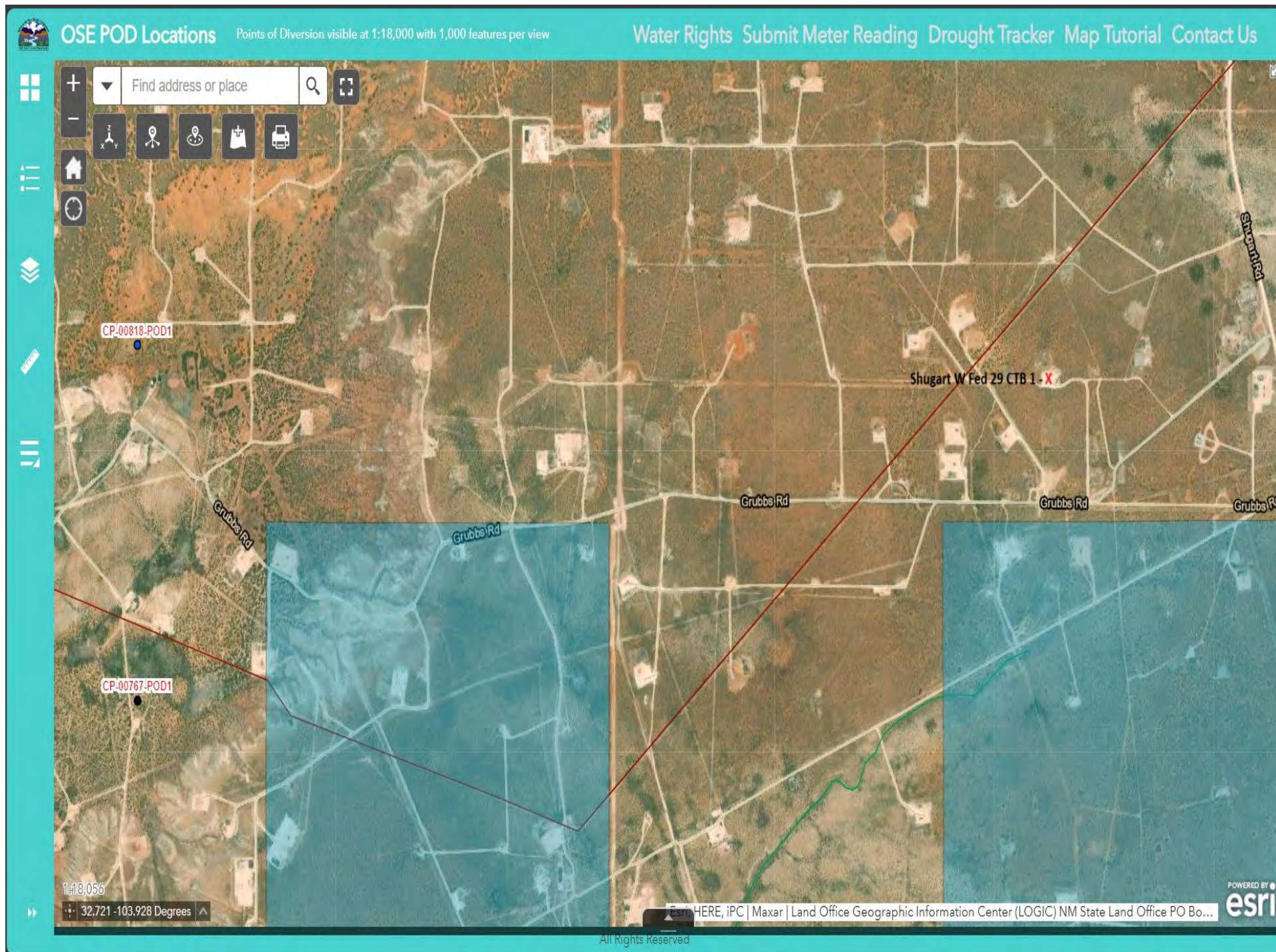
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	CP 00818 POD1		1	4	26	18S	30E	599289	3620364*		
<hr/>											
Driller License: 122		Driller Company:				UNKNOWN					
Driller Name:											
Drill Start 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.

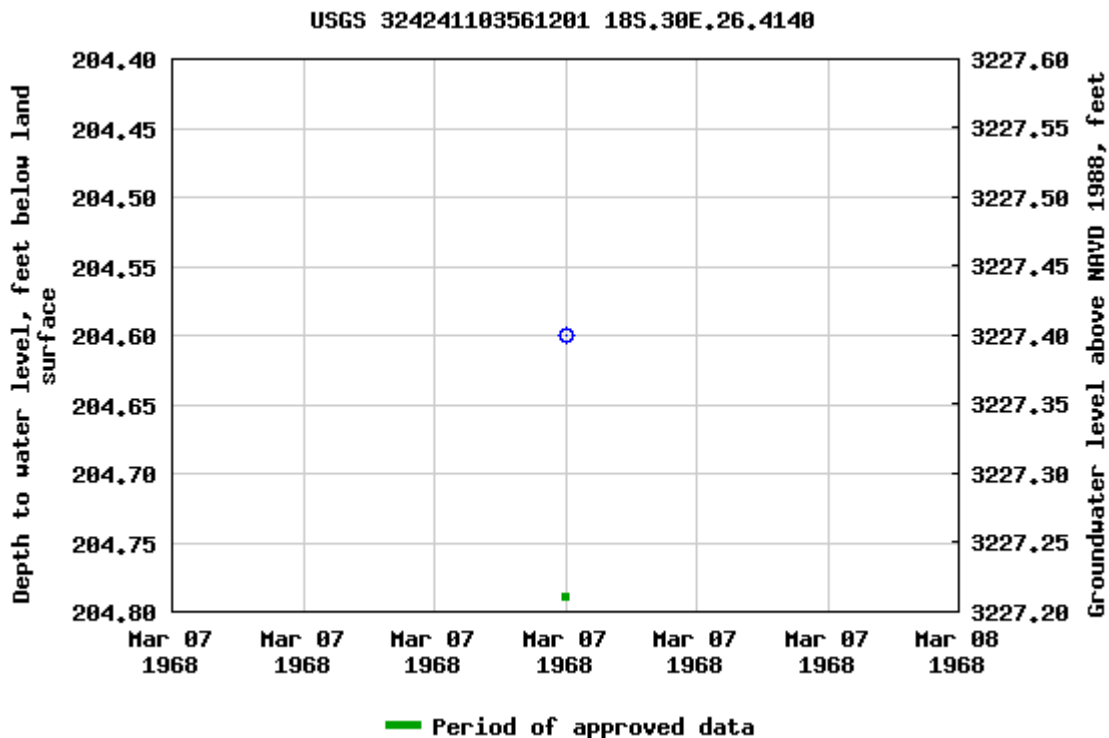
Output formats

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

Title: Groundwater for USA: Water Levels

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



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

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

0.56 0.48 nadww01





National Water Information System: Mapper



Shugart W Fed 29 CTB 1

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

Legend

-  5.71 Miles
-  Hackberry Lake

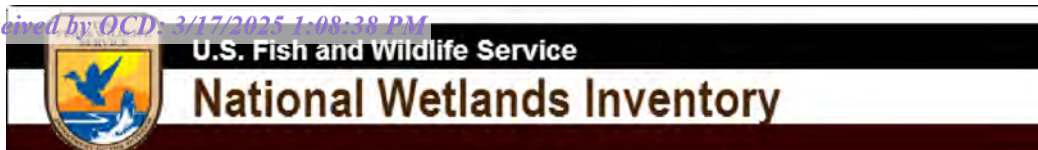
Shugart W Fed 29 CTB 1

Hackberry Lake

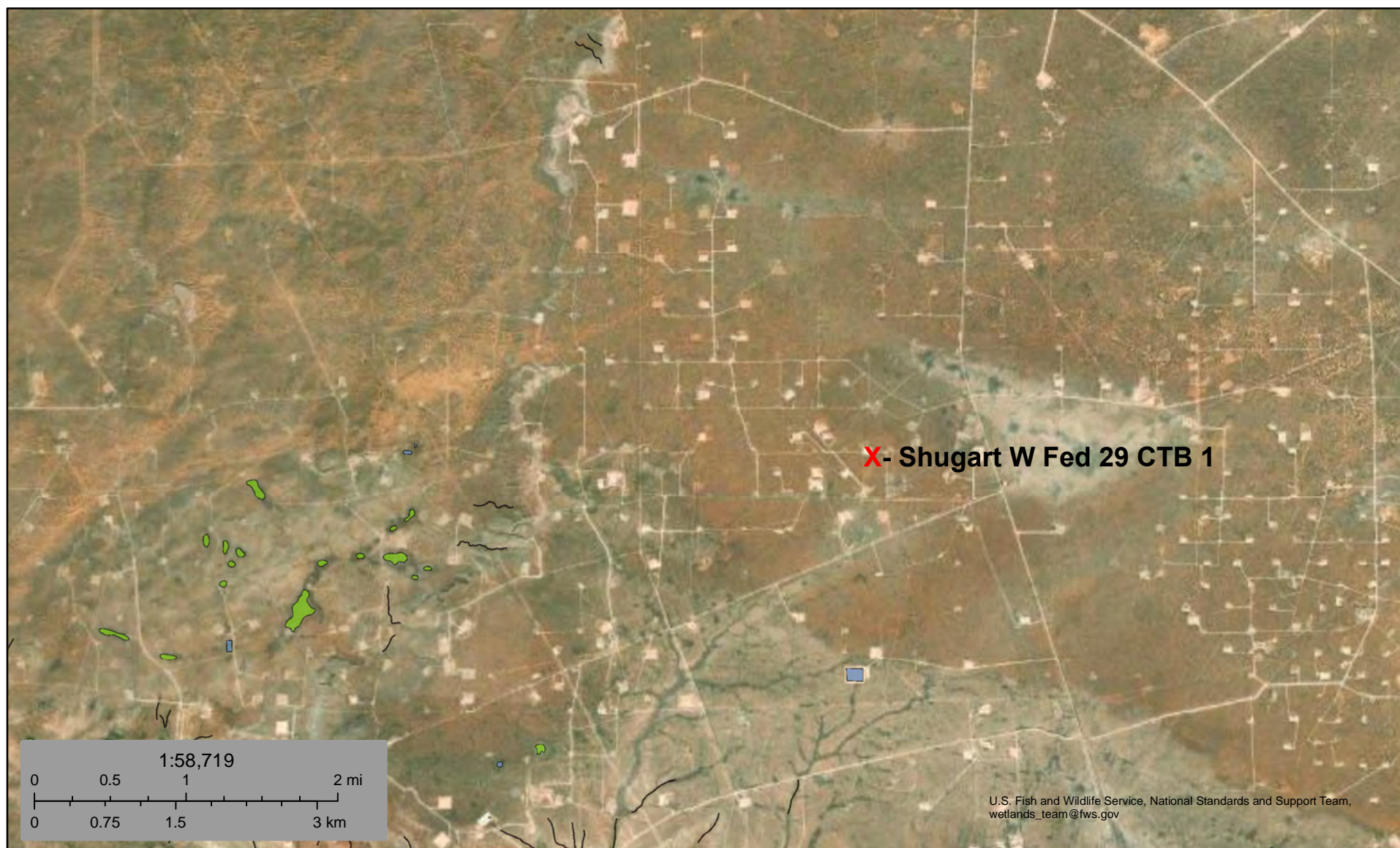


3 mi

Google Earth








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 FIRMMette



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.

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

103°53'23"W 32°42'41"N

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

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

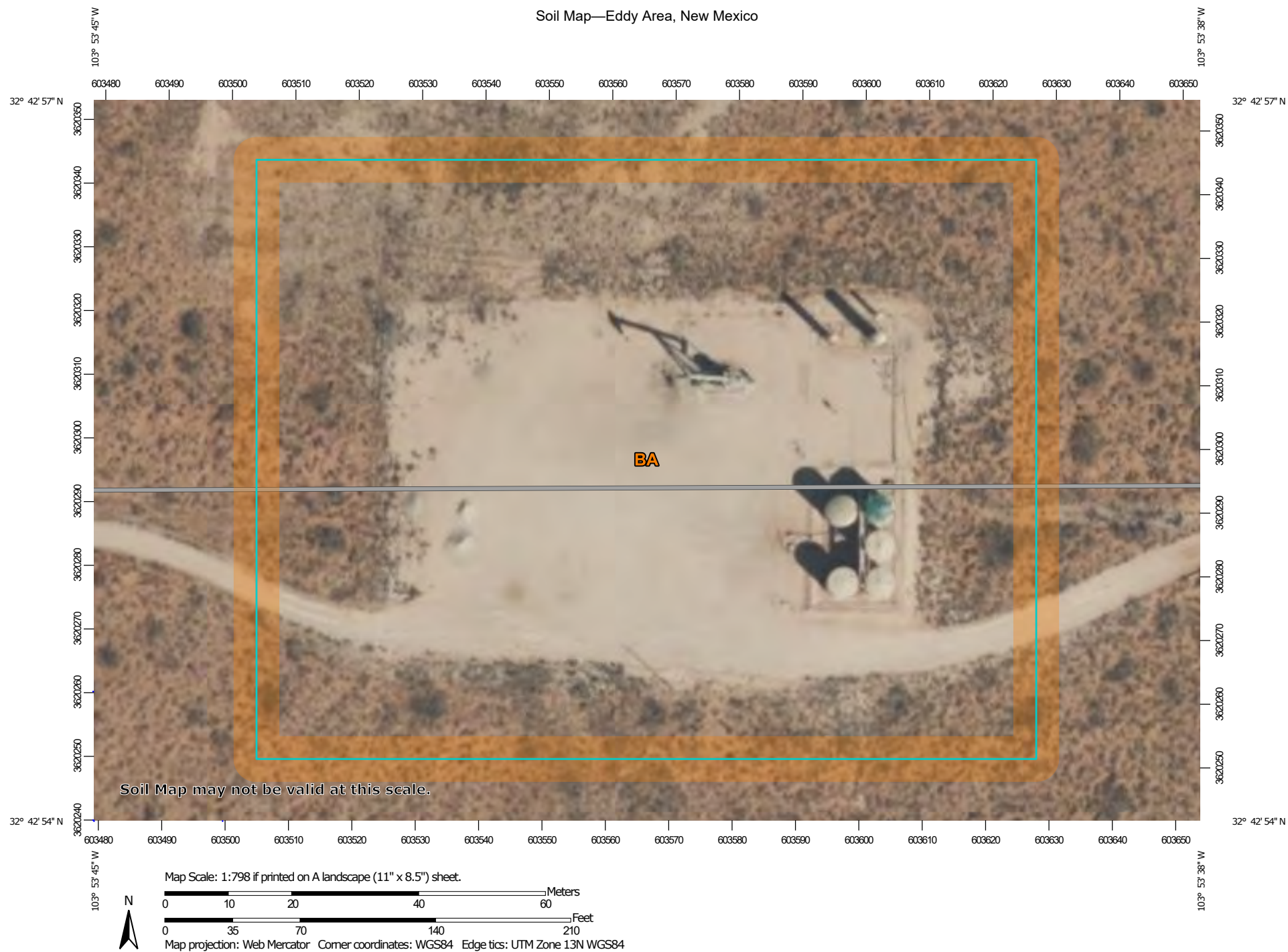
Percent of map unit: 1 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

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

Google Earth



1 mi

APPENDIX C

48-Hour Notification



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

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

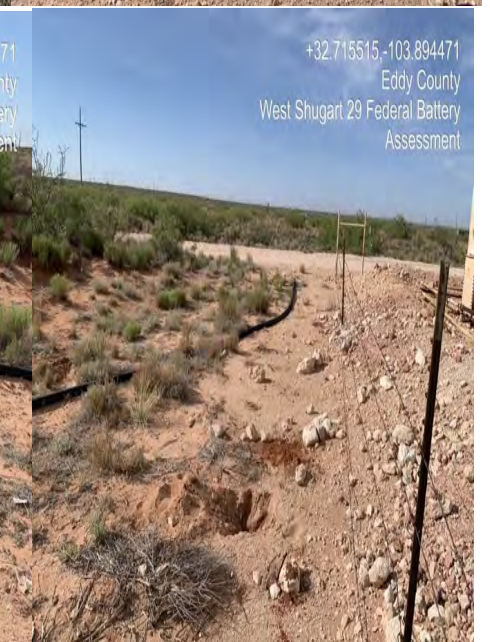
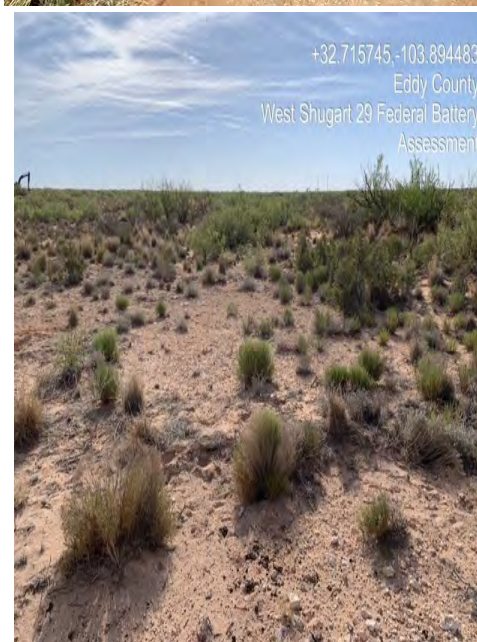
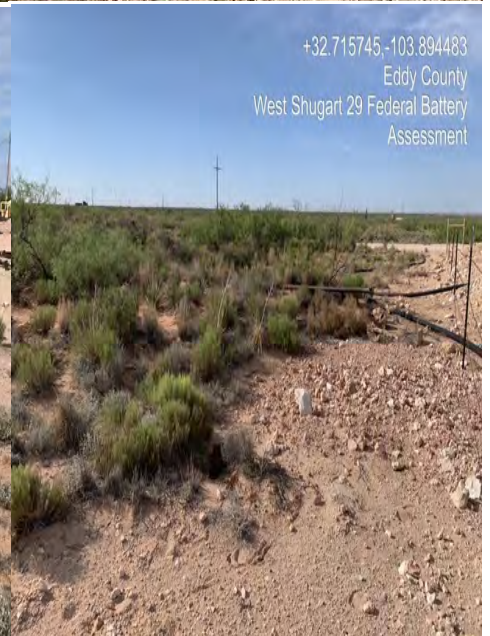
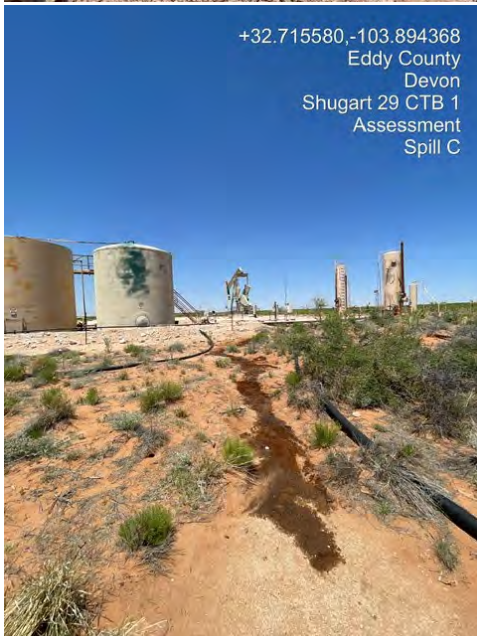
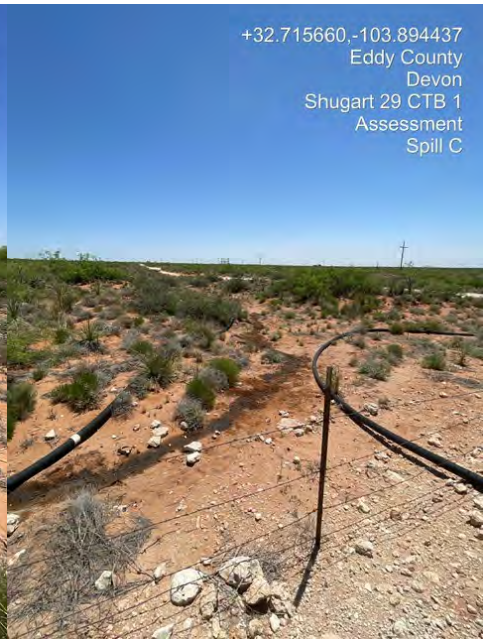
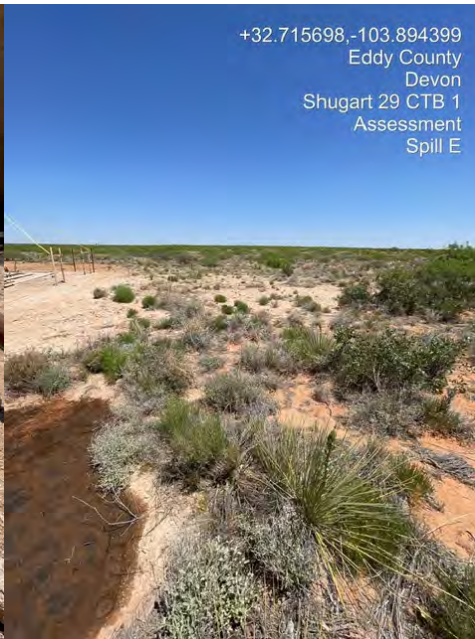
Photographic Documentation



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

Shugart W Fed 29 CTB 1 | nAPP2313055690

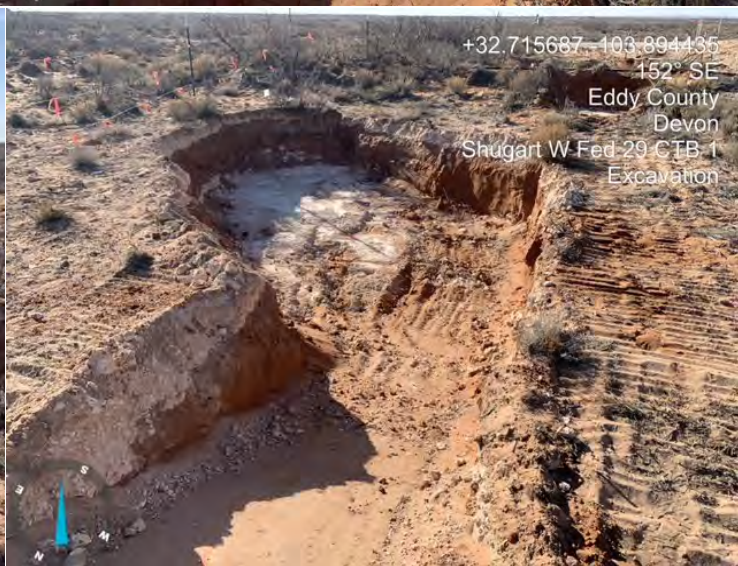
DEVON ENERGY PRODUCTION, LP.





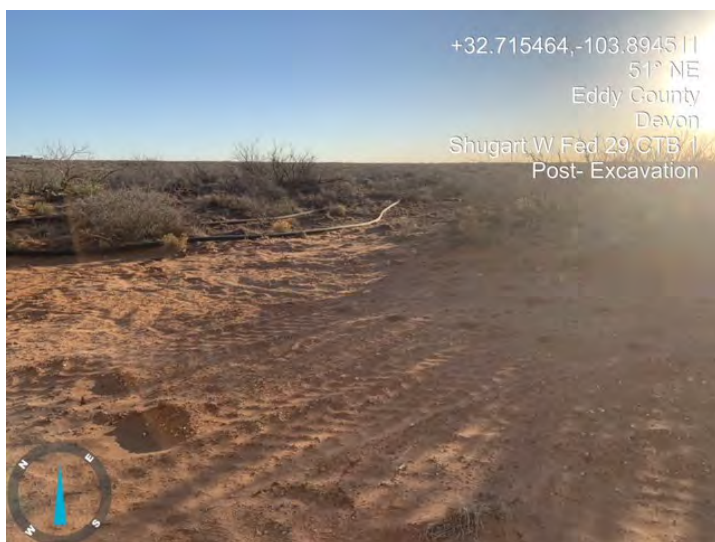


+32.715491, -103.894375
328° NW
Eddy County
Devon
Shugart W. Fed 29 CTB 1
Excavation





Backfill/Reclamation





APPENDIX E

Laboratory Reports



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

Raina Schwanz
Laboratory Administrator
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Alexa Michaels
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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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



Sample Data

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

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

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

C1 - 2'

E305133-02

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



Sample Data

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

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

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

C1 - 3'

E305133-03

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



Sample Data

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

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

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

C2 - 1'

E305133-04

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



Sample Data

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

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

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

C2 - 2'

E305133-05

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



Sample Data

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

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

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

C2 - 3'

E305133-06

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



Sample Data

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

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

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

C3 - 1'

E305133-07

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



Sample Data

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

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

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

C3 - 2'

E305133-08

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



Sample Data

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

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

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

C3 - 3'

E305133-09

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



Sample Data

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

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

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

CW1

E305133-10

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



Sample Data

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

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

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

CW2

E305133-11

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



Sample Data

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

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

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

CW3

E305133-12

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



Sample Data

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

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

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

CW4

E305133-13

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



Sample Data

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

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

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

D1 - 1'

E305133-14

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



Sample Data

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

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

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

D1 - 2'

E305133-15

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



Sample Data

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

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

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

D1 - 3'

E305133-16

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



Sample Data

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

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

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

D1 - 4'

E305133-17

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



Sample Data

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

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

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

DW1

E305133-18

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



Sample Data

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

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

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

DW2

E305133-19

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



Sample Data

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

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

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

DW3

E305133-20

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



Sample Data

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

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

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

E1 - 1'

E305133-21

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



Sample Data

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

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

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

E1 - 2'

E305133-22

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



Sample Data

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

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

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

E1 - 3'

E305133-23

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



Sample Data

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

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

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

E1 - 4'

E305133-24

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



Sample Data

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

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

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

EW1

E305133-25

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



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
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321021
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/23/23	05/24/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/23/23	05/24/23	
Surrogate: Toluene-d8		105 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2321037
Chloride	ND	20.0	1	05/23/23	05/24/23	



Sample Data

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

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

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

EW3

E305133-27

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



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

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2321021-BLK1)

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

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

LCS (2321021-BS1)

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

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

Matrix Spike (2321021-MS1)

Source: E305129-27

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

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

Matrix Spike Dup (2321021-MSD1)

Source: E305129-27

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

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



QC Summary Data

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

Analyst: SL

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

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

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

LCS (2321033-BS1)

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

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

Matrix Spike (2321033-MS1)

Source: E305133-01

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

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

Matrix Spike Dup (2321033-MSD1)

Source: E305133-01

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

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



QC Summary Data

Pima Environmental Services-Carlsbad	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 - GRO

Analyst: SL

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

Blank (2321021-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23

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
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Blank (2321033-BLK1) Prepared: 05/23/23 Analyzed: 05/24/23

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

LCS (2321033-BS2) Prepared: 05/23/23 Analyzed: 05/24/23

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

Matrix Spike (2321033-MS2) Source: E305133-01 Prepared: 05/23/23 Analyzed: 05/24/23

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

Matrix Spike Dup (2321033-MSD2) Source: E305133-01 Prepared: 05/23/23 Analyzed: 05/24/23

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



QC Summary Data

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

Analyst: KM

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

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

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

LCS (2321042-BS1)

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

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

Matrix Spike (2321042-MS1)

Source: E305133-13

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

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

Matrix Spike Dup (2321042-MSD1)

Source: E305133-13

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

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



QC Summary Data

Pima Environmental Services-Carlsbad	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.



Project Information

Chain of Custody

Page 3 of 5

Client: Pima Environmental Services
 Project: Shugart W Fed. 29CTB1
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

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

Lab Use Only
 Lab WO# E 305183 Job Number 01058-0007
 Analysis and Method
 TAT
 1D 2D 3D Standard
 EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX
 X

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

Additional Instructions:

BH 21165881

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

Sampled by:

A.F

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

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>5/22/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) / N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew Mello</u>	Date <u>5-22-23</u>	Time <u>1800</u>	T1 T2 T3
Relinquished by: (Signature) <u>Andrew Mello</u>	Date <u>5-22-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Caita Mann</u>	Date <u>5/23/23</u>	Time <u>8:15</u>	AVG Temp °C <u>4</u>

Container Type: glass, p. poly/plastic, ag. amber glass, v - VOA
 Analysis: metals, VOC, BTEX, chlorides, BGDOC
 Remarks: none

Project Information

Chain of Custody

Page 4 of 5

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Shogast W. Fed 29 CTB1</u>		Attention: <u>Devon</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		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240		Phone:		Chloride 300.0						BGDOC NM		BGDOC TX	
Phone: 580-748-1613		Email:										State	
Email: tom@pimaoil.com		Pima Project # <u>205-2</u>										NM CO UT AZ TX	
Report due by:												Remarks	

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

Additional Instructions:

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) <u>Veronica Hoar</u>	Date <u>5-22-23</u>	Time <u>200</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1400</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-22-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Andrew mcsso</u>	Date <u>5-22-23</u>	Time <u>1800</u>	Received on ice: <u>(Y) N</u>
Relinquished by: (Signature) <u>Andrew mcsso</u>	Date <u>5-22-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Carla Mann</u>	Date <u>5/23/23</u>	Time <u>8:15</u>	T1 T2 T3
Sample Matrix: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, O - Other						AVG Temp °C <u>4</u>

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

Note: Samples are discarded 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: Sugar W Fed. 29 CTB1					Attention: DeYon		Lab WO# E305133		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 205-2											
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	BDOC NM	BDOC 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) Karime Adame	Date 5/22/23	Time 2:00	Received by: (Signature) [Signature]	Date 5.22.23	Time 1400	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Relinquished by: (Signature) [Signature]	Date 5.22.23	Time 1730	Received by: (Signature) Andrew Muroso	Date 5.22.23	Time 1900	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) Andrew Muroso	Date 5.22.23	Time 2400	Received by: (Signature) Cathy Moran	Date 5/23/23	Time 8:15	AVG Temp °C 4

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

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

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

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.

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' at the beginning.

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

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 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

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 4 (0-4') (H243255-04)

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

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2024
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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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: DW 1 (0-4') (H243255-09)

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

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

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

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

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2024
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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2024
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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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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2024
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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		

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

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2024
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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

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				BILL TO				ANALYSIS REQUEST																			
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>S. Rodriguez</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>SR</i>		
	<i>#140</i>	Yes <input type="checkbox"/> No <input type="checkbox"/>	<i>Billing # 21165881</i>		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST											
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 BTEX 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>			<i>X</i>				<i>X</i>		<i>6/14/24</i>	<i>9:46</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>22</i>			<i>DW4 (0-4')</i>				<i>X</i>							<i>9:53</i>					
<i>23</i>			<i>EW1 (0-4')</i>											<i>10:11</i>					
<i>24</i>			<i>EW2 (0-4')</i>											<i>10:17</i>					
<i>25</i>			<i>EW3 (0-4')</i>											<i>10:28</i>					
<i>26</i>			<i>EW4 (0-4')</i>											<i>10:31</i>					

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Relinquished By: <i>Karime Adame</i>		Date: <i>6-16-24</i> Time: <i>1428</i>	Received By: <i>S. Woodrigney</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Date:	Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <i>88</i>	REMARKS: <i>Standard</i>	
Sampler - UPS - Bus - Other: <i>-3-8-#140</i>		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Tom@pimaoil.com Billing # <i>21165881</i>		

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	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
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325012
Chloride	220	20.0	1	06/19/23	06/19/23	



Sample Data

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

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

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

S2 - 5'

E306128-02

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



Sample Data

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

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

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

S1 - 6'

E306128-03

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



Sample Data

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

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

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

S2 - 6'

E306128-04

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



Sample Data

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

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

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

S3 - 5'

E306128-05

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



Sample Data

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

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

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

S3 - 6'

E306128-06

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



Sample Data

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

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

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

S4 - 5'

E306128-07

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



Sample Data

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

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

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

S4 - 6'

E306128-08

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



Sample Data

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

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

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

C1 - 4'

E306128-09

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



Sample Data

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

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

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

C2 - 4'

E306128-10

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



Sample Data

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

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

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

C1 - 6'

E306128-11

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



Sample Data

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

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

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

C2 - 6'

E306128-12

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



Sample Data

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

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

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

C3 - 4'

E306128-13

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



Sample Data

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

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

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

C3 - 6'

E306128-14

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



Sample Data

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

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

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

D1 - 5'

E306128-15

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



Sample Data

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

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

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

D1 - 6'

E306128-16

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



Sample Data

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

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

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

E1 - 5'

E306128-17

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



Sample Data

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

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

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

E1 - 6'

E306128-18

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



QC Summary Data

Pima Environmental Services-Carlsbad	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324063-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

LCS (2324063-BS1)

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

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

Matrix Spike (2324063-MS1)

Source: E306128-10

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

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

Matrix Spike Dup (2324063-MSD1)

Source: E306128-10

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

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



QC Summary Data

Pima Environmental Services-Carlsbad	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324063-BLK1)

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

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

LCS (2324063-BS2)

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

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

Matrix Spike (2324063-MS2)

Source: E306128-10

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

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

Matrix Spike Dup (2324063-MSD2)

Source: E306128-10

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

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



QC Summary Data

Pima Environmental Services-Carlsbad	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 - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325018-BLK1)					Prepared: 06/19/23 Analyzed: 06/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2325018-BS1)					Prepared: 06/19/23 Analyzed: 06/20/23				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			

Matrix Spike (2325018-MS1)					Source: E306128-14		Prepared: 06/19/23 Analyzed: 06/20/23		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike Dup (2325018-MSD1)					Source: E306128-14		Prepared: 06/19/23 Analyzed: 06/20/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	7.17	20	
Surrogate: n-Nonane	50.2		50.0		100	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	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

Page 1 of 2

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX		
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. **Sampled by:**

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	6/15/23	230	<u>[Signature]</u>	6-15-23	1430
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	6-15-23	1715	<u>[Signature]</u>	6-15-23	1730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	6-16-23	2400	<u>[Signature]</u>	6/16/23	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.



Project Information

Chain of Custody

Page 2 of 2

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

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

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

Date



envirotech Inc.

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	Remarks		
Am 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 Project: <u>Shugart W 29 Fed 1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Daniel</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>205-2</u>					Lab Use Only Lab Work: <u>E3060128</u> Job Number: <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	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>Billing # 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 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shugart W Fed 29 CTB 1	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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 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 (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-BSD1)

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

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													
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. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>			
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				
Karime Ahome	2/24/25	9:00 AM	Michelle Gonzales	2-24-25	0900				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
Michelle Gonzales	2-24-25	1530	Gander Briggs	2-24-25	1530				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
Gander Briggs	2-22-24	2215	Cherry Mann	2-25-25	545				

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: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? 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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Phone: (505) 476-3441

General Information
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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 443122

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313055690
Incident Name	NAPP2313055690 SHUGART W FED 29 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure 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 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 03/17/2025
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QUESTIONS, Page 3

Action 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	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

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	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

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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 Title: EHS Professional Email: jim.raley@dmv.com 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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QUESTIONS, Page 5

Action 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 Title: EHS Professional Email: jim.raley@dvn.com Date: 03/17/2025

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QUESTIONS, Page 7

Action 443122

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 443122

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Remediation closure report approved	3/25/2025
jburdine	A final reclamation and revegetation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/25/2025
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.	3/25/2025