

PREPARED BY: PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR: DEVON ENERGY PRODUCTION CO, LP

SHUGART W FEDERAL 29 CTB 1 WEST SHUGART 29 FEDERAL #1

Incident IDs nAPP2313055690 & nAB1808253927

Remediation Work Plan

November 25, 2024

Received Environmentals 2024 FO.154:50 AM

5614 N Lovington Hwy Hobbs, NM 88240 575-964-7740



NMOCD District 2 811 S. First Street Artesia, NM 88210

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

Re: Site Characteristic and Remediation Plan Report

Shugart W Fed 29 CTB 1 Facility ID fAPP2130628309 West Shugart 29 Federal #001 API No. 30-015-29948

GPS: Latitude 32.7157707 Longitude -103.8948975

ULSTR - K - 29 - 18S - 31E 1609 FSL 1655 FWL

1609 FSL 1655 FWL Eddy County, NM

NMOCD Incident IDs <u>nAPP2313055690 & nAB1808253927</u>

This site characterization and remediation plan report will address two incidents that occurred on the same location. The first incident was a produced water release that was discovered on March 11, 2018, and was associated with the West Shugart 29 Federal #001 (Shugart). The initial C-141 form was submitted on March 22, 2018, and approved by the NMOCD (OCD Online: Permitting – Incident Details -> Incident Files. This incident was assigned Incident ID nAB1808253927 by the New Mexico Oil Conservation Division (NMOCD). The second incident was a crude oil release that was discovered on May 10, 2023, and was associated with the Shugart W Fed 29 CTB 1 (Shugart). The initial notification of release was submitted on May 10, 2023, and approved by the NMOCD. The initial C-141 form was submitted on May 19, 2023, and approved by the NMOCD. This incident was assigned Incident ID nAPP2313055690 by the NMOCD.

Site Characterization

The Shugart is located approximately eight (8) miles southeast of Loco Hills, NM. This spill sites are in Unit K, Section 29, Township 18S, Range 31E, Latitude 32.7157707 Longitude -103.8948975, Eddy County, NM. Figure 3 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sand, 0-3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Shugart (Figure 5).

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 current information is CP-00818-POD1 which was drilled in 1950, 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 mile away from the Shugart. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the water-related maps.

Reference Figure 4 for a Topographic Map.

Release Information

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

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<u>nAPP2313055690</u>: On 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 Assessment, and Soil Sampling Results

On May 12, 2023, Pima Environmental mobilized personnel to the site to collect soil samples from the spill area 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. Forty-seven samples were collected from 23 different sample points. Thirty-three samples were collected for the purpose of vertical delineation from 9 different sample points within the release areas. These discreet samples were collected from depths of 1', 2', 3', and 4' bgs. Fourteen samples were collected from the edges of the release areas for the purpose of horizontal delineation. These samples consisted of samples from a depth of 6" bgs from each sample point. A total of 47 samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

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

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

On June 4, 2024, Pima personnel returned to the location to complete horizontal delineation of the release areas. The previously collected horizontal delineation samples were not sufficient for full delineation as they were only collected from a depth of 6" bgs. During this sampling event, 16 samples were collected from 16 different sample points. These samples were composite samples each including depths of 0', 1', 2', 3', and 4' bgs. At total of 4 samples were collected from each area. A total of 16 samples were immediately put on ice, jarred, and delivered to Cardinal Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

All sample results can be found in the Data Tables in Figure 1. A corresponding Site Map can be found in Figure 2. Complete laboratory reports can be found in Appendix E.

Proposed Remediation Activities

On behalf of Devon, Pima proposes the following method for the remediation of these release areas:

- Submit a one-call through the NM811 system.
- The estimated total combined volume of soil to be remediated is approximately 464 cubic yards from the 4 different areas.

 This is based on a total combined area of 2,490 square feet at various depths ranging from 4.5′ to 5.5′ bgs.
- We propose to excavate each area entirely to their respective depth, or until sample results are verified to be under the regulatory limits as per the less than 50 feet to ground water requirement in Table 1 19.15.29.12 NMAC.
- The contaminated soil will be disposed of at an NMOCD-approved disposal facility.
- Clean, like material will be brought to the location to be used for backfilling.
- A 48-hour sampling notification will be issued to NMOCD for confirmation sampling of the areas.
- Confirmation samples will be composite samples representing no more than 200 square feet of each excavated area and will be collected from the base and walls of the excavations.
- Once all sample results confirm the contamination has been removed from each area, a remediation closure report will be drafted and submitted the NMOCD Portal for review/approval.

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Approval Request

Devon has complied with the applicable requirements set forth in 19.15.29.12 NMAC and requests that this remediation plan report be approved.

For questions or additional information, please feel free to contact:

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

Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Data Tables
- 2- Site Map
- 3- Location Map
- 4- Topographic Map
- 5- Karst Map

Appendices:

Appendix A – Referenced Water Surveys & Water-Related Maps

Appendix B – Soil Survey & Map and Geological Data

Appendix C – Initial C-141 Form & NMOCD Correspondence

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



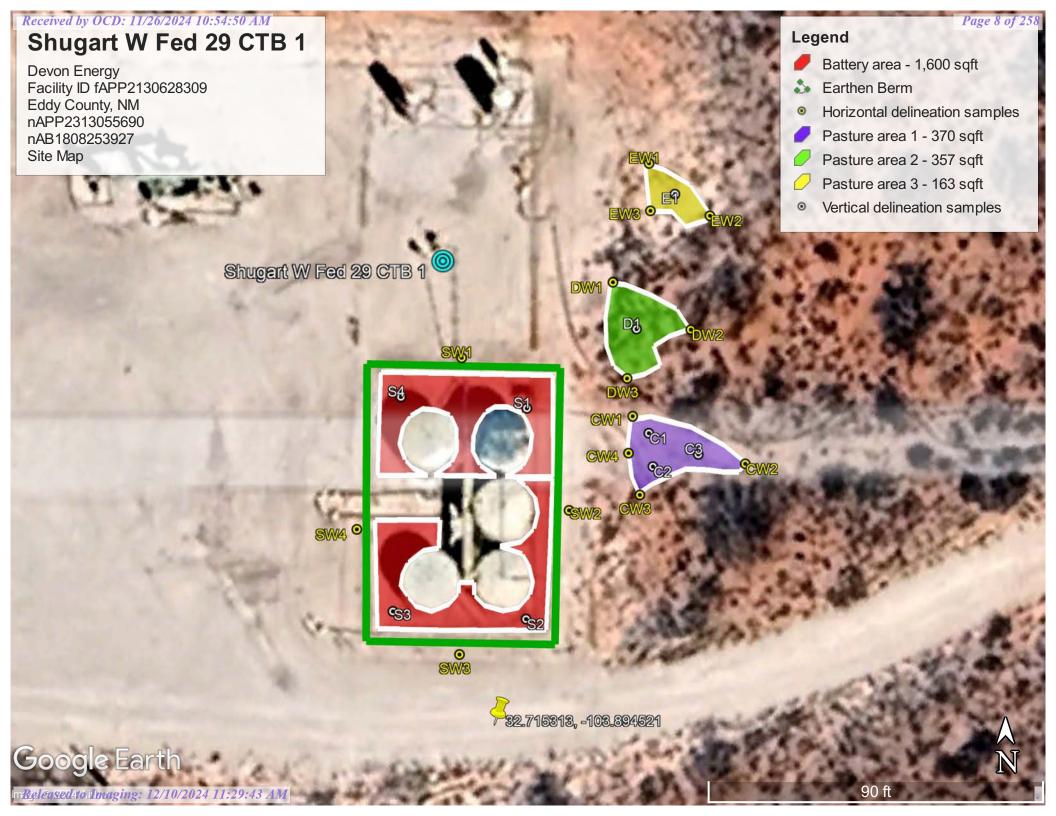
Figures:

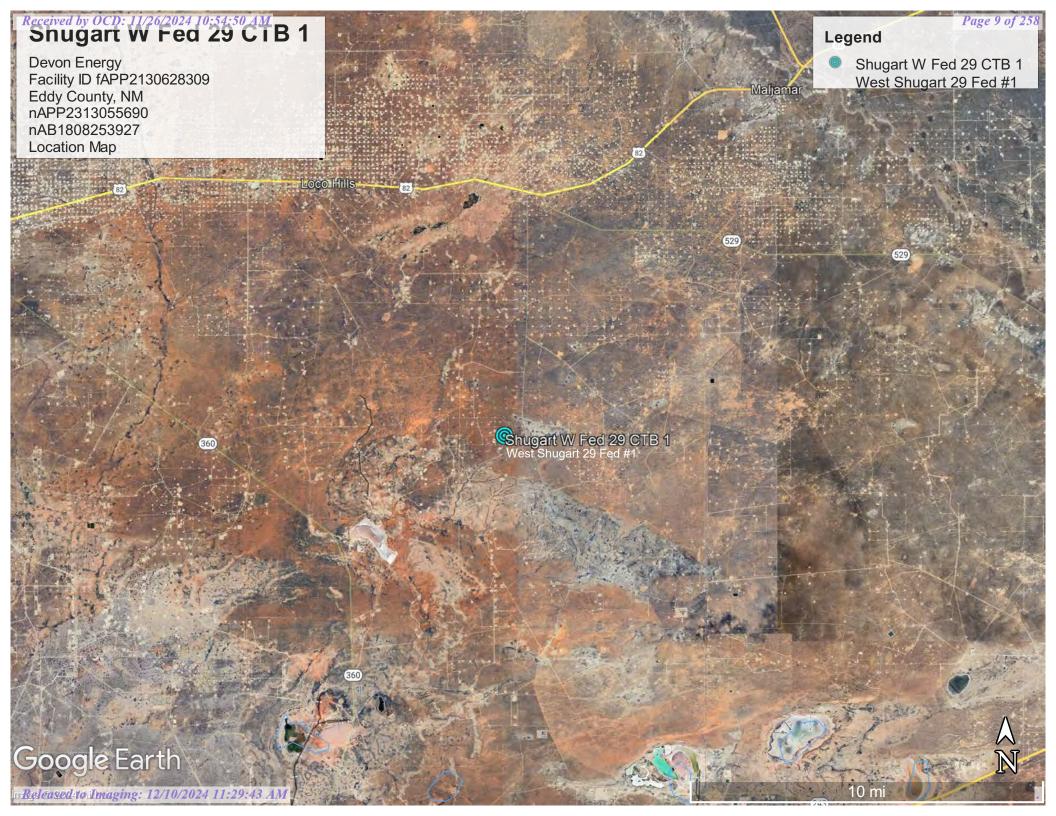
- 1 Data Tables
 - 2 Site Map
- 3 Location Map
- 4 Topographic Map
 - 5 Karst Map

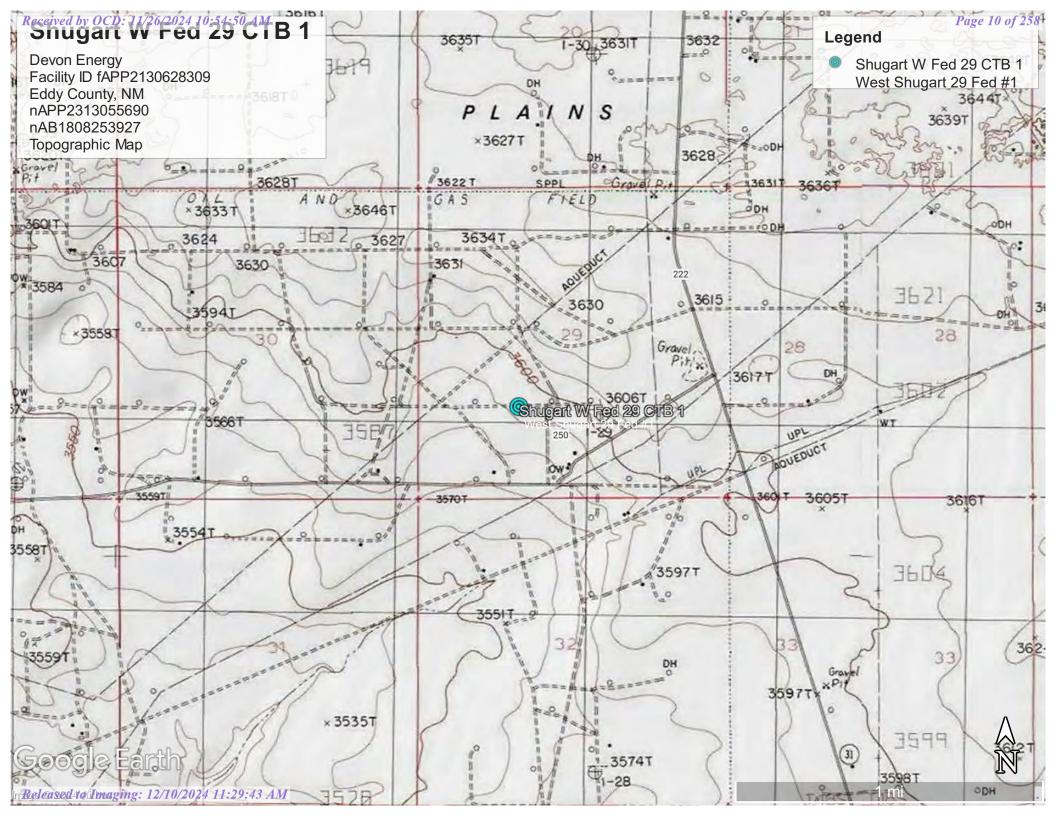
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
	DEVON E	NERGY - S	HUGART W	Fed 29 CTE	3 1 - nAPP2	313055690); nAB18082!	53927	
NM Approved Laboratory Results									
Sample ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		1'	12.9	0.536	488	20800	7970	29271.44	113
	5/12/2023	2'	10.1	0.201	396	16600	6850	23856.3	75.9
	3/12/2023	3'	8.8	0.211	363	12500	5050	17922.01	mg/kg 113 75.9 54.9 23.2 220 ND ND 100 72.5 87.2 83.1 192 56.8 ND ND 95.9 51.3 52.8 59.7 68.3 ND ND ND 95.5 26.7 61.2 32.8 90.9 ND
S-1		4'	3.79	ND	183	14300	5920	20406.79	23.2
	6/14/2023	5'	ND	ND	ND	ND	ND	0	220
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
	3/20/2023	7'	ND	ND	ND	ND	ND	0	ND
		1'	13.3	0.432	502	22000	8130	30645.73	100
	5/12/2023	2'	10.1	0.263	411	18100	7040	25561.36	72.5
	3/12/2023	3'	10.8	0.25	425	18400	7410	26246.05	87.2
S-2		4'	11.2	0.323	442	15200	6280	21933.52	83.1
3-2	6/14/2023	5'	ND	ND	ND	ND	ND	0	192
	0/14/2023	6'	ND	ND	ND	ND	ND	0	56.8
	5/26/2023	7'	ND	ND	ND	ND	ND	Total TPH cl mg/kg 29271.44 113 23856.3 75.9 17922.01 54.9 20406.79 23.2 0 0 220 0 ND 0 ND 30645.73 100 25561.36 72.5 26246.05 87.2 21933.52 83.1 0 192 0 56.8 0 ND 0 ND 29673.54 95.9 12919.24 51.3 17449.33 52.8 16054.55 59.7 0 68.3 0 ND 0 ND 33251.34 95.5 7066.55 26.7 6523.674 61.2 4176.68 32.8 0 90.9 0 ND 0 N	
	5/26/2023	8'	ND	ND	ND	ND	ND	0	ND
		1'	14.1	0.437	529	20700	8430	29673.54	95.9
	5/12/2023	2'	7.11	0.132	302	8690	3920	12919.24	51.3
S-3	3/12/2023	3'	6.21	0.121	243	12200	5000	17449.33	52.8
		4'	7.37	0.183	287	11200	4560	16054.55	59.7
	6/14/2023	5'	ND	ND	ND	ND	ND	0	68.3
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
	3/20/2023	8'	ND	ND	ND	ND	ND	0	ND
		1'	13.9	0.444	527	23400	9310	33251.34	95.5
	5/12/2023	2'	3.55	ND	173	4820	2070	7066.55	26.7
	3/12/2023	3'	0.874	ND	22.8	4570	1930	6523.674	61.2
S-4		4'	1.88	ND	64.8	2810	1300	4176.68	32.8
	6/14/2023	5'	ND	ND	ND	ND	ND	0	90.9
	5/26/2023	6'	ND	ND	ND	ND	ND	0	ND
	3/20/2023	7'	ND	ND	ND	ND	ND		ND
SW 1		6"	ND	ND	ND	ND	ND		ND
SW 2	5/12/2023	6"	ND	ND	ND	ND	ND		
SW 3	3, 12, 2023	6"	ND	ND	ND	ND	ND		
SW 4		6"	ND	ND	ND	ND	ND	_	
		1'	2.67	ND	138	9910	3900	.	
	5/12/2023	2'	0.528	ND	51.7	4800	2860		
C-1		3'	5.24	ND	236	5690	ND		mg/kg 113 75.9 54.9 23.2 220 ND ND 100 72.5 87.2 83.1 192 56.8 ND ND 95.9 51.3 52.8 59.7 68.3 ND ND ND 95.5 26.7 61.2 32.8 90.9 ND
	6/14/2023	4'	ND	ND	ND	ND	ND		
	, , ===	6'	ND	ND	ND	ND	ND		
	- 1 1-	1'	2.98	ND	184	11000	4440		
	5/12/2023	2'	0.512	ND	52	4790	ND		
C-2		3'	7.06	ND	291	6330	ND		
	6/14/2023	4'	ND	ND	ND	ND	ND	0	
		6'	ND	ND	ND	ND	ND	0	ND

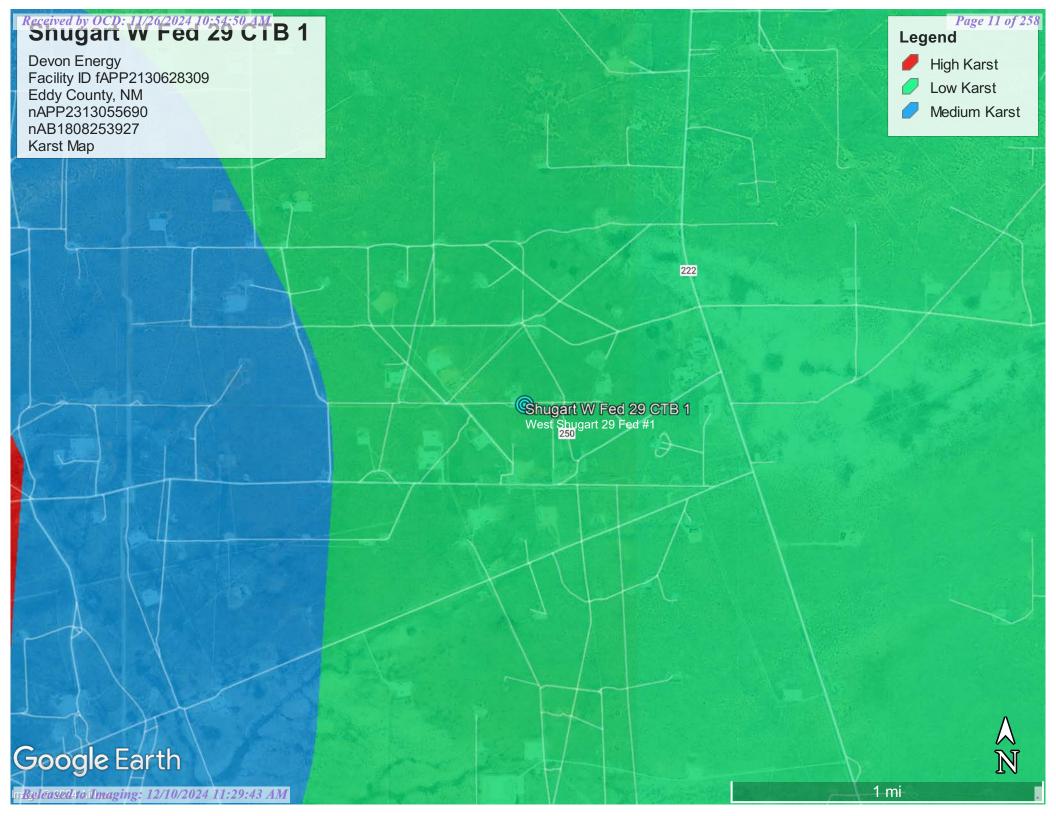
6 1 15	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		1'	2.58	ND	118	9090	3570	12780.58	22.5
	5/12/2023	2'	0.673	ND	111	4340	2700	7151.673	ND
C-3	6/14/2023	3'	7.23	ND	288	8230	2760	11285.23	33.7
		4'	ND	ND	ND	ND	ND	0	2470
	0/14/2023	6'	ND	ND	ND	ND	ND	0	ND
CW 1		6"	ND	ND	ND	ND	ND	0	ND
CW 2	F /12 /2022	6"	ND	ND	ND	ND	ND	0	ND
CW 3	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
CW 4		6"	ND	ND	ND	ND	ND	0	ND
	F /42 /2022	1'	7.3	ND	278	9610	3530	13425.3	22.7
		E /12 /2022	2'	1.1	ND	ND	5190	ND	5191.1
	5/12/2023	3'	5.58	ND	206	7830	ND	8041.58	46.7
D-1		4'	4.37	ND	157	7050	ND	7211.37	36.7
	6/14/2022	5'	ND	ND	ND	ND	ND	0	1390
	6/14/2023	6'	ND	ND	ND	ND	ND	0	ND
DW 1		6"	ND	ND	20.1	ND	ND	20.1	ND
DW 2	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
DW 3		6"	ND	ND	ND	ND	ND	0	ND
		1'	1.76	ND	208	9370	3770	13349.76	28.5
	E /12 /2022	2'	0.095	ND	84.6	4240	ND	4324.695	ND
E-1	5/12/2023	3'	1.38	ND	145	4150	ND	4296.38	22.5
C-1		4'	3.67	ND	356	6560	ND	6919.67	45.5
	6/14/2022	5'	ND	ND	ND	ND	ND	0	1240
	6/14/2023	6'	ND	ND	ND	ND	ND	0	ND
EW 1		6"	ND	ND	ND	ND	ND	0	ND
EW 2	5/12/2023	6"	ND	ND	ND	ND	ND	0	ND
EW 3		6"	ND	ND	ND	ND	ND	0	ND

NN	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
DEVON ENERGY - SHUGART W Fed 29 CTB 1 - nAPP2313055690, nAB1808253927								
Date: 6/4/24 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
SW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
CW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	32
CW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
CW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	32
CW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	16
DW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
DW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
EW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND











Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

Wetlands Map

Fema Flood Map



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												
		Sub-		Q	Q (Q							W	ater
POD Number	Code	basin	County	64	16	4 S	Sec	Tws	Rng	X	Y	DistanceDept	hWellDepthWater Co	lumn
<u>CP 00818 POD1</u>		CP	LE		1 4	4 2	26	18S	30E	599289	3620364*	4276	240	
<u>CP 00767 POD1</u>		CP	ED		3 2	2 3	35	18S	30E	599300	3619158*	4416	500	
CP 00849 POD1		CP	LE	3	1 3	3 3	35	18S	31E	608012	3618757*	4707	300	
CP 01907 POD1		CP	ED	4	2 2	2	18	19S	31E	603017	3614737	5592		
CP 01985 POD1		CP	ED	2	4 2	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 Se

CP 00818 POD1

Q64 Q16 Q4 Sec Tws Rng

X

18S 30E 599289 3620364*

Driller License: 122

Driller Company:

UNKNOWN

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Shallow

Log File Date:

PCW Rcv Date:

Source:

Siluito ()

Pump Type:

Pipe Discharge Size:

Estimated Yield: 20 GPM

Casing Size: 7.00

Depth Well:

240 feet

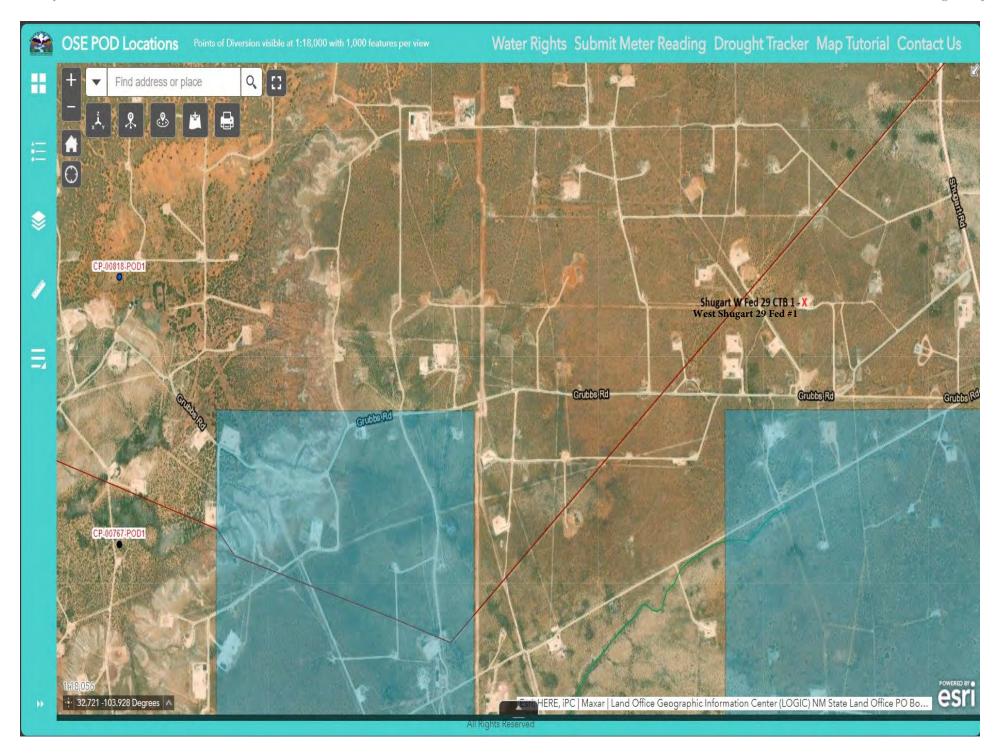
Depth Water:

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

^{*}UTM location was derived from PLSS - see Help





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:	
0303 Water Resources	Groundwater	✓ United States	∨ GC

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

324241103561201

y GO

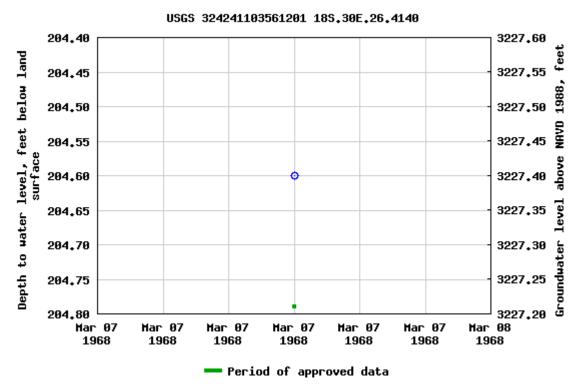
Minimum number of levels = 1

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 3,4	32 feet abo	ve NAVD88						
The depth of the well is 23	0 feet below	v land surface.						
This well is completed in the Other aquifers (N9999OTHER) national aquifer.								
This well is completed in th	ne Chinle Fo	rmation (231CHI	NL) 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. <u>Download a presentation-quality graph</u>

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Title: Groundwater for USA: Water Levels

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

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

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

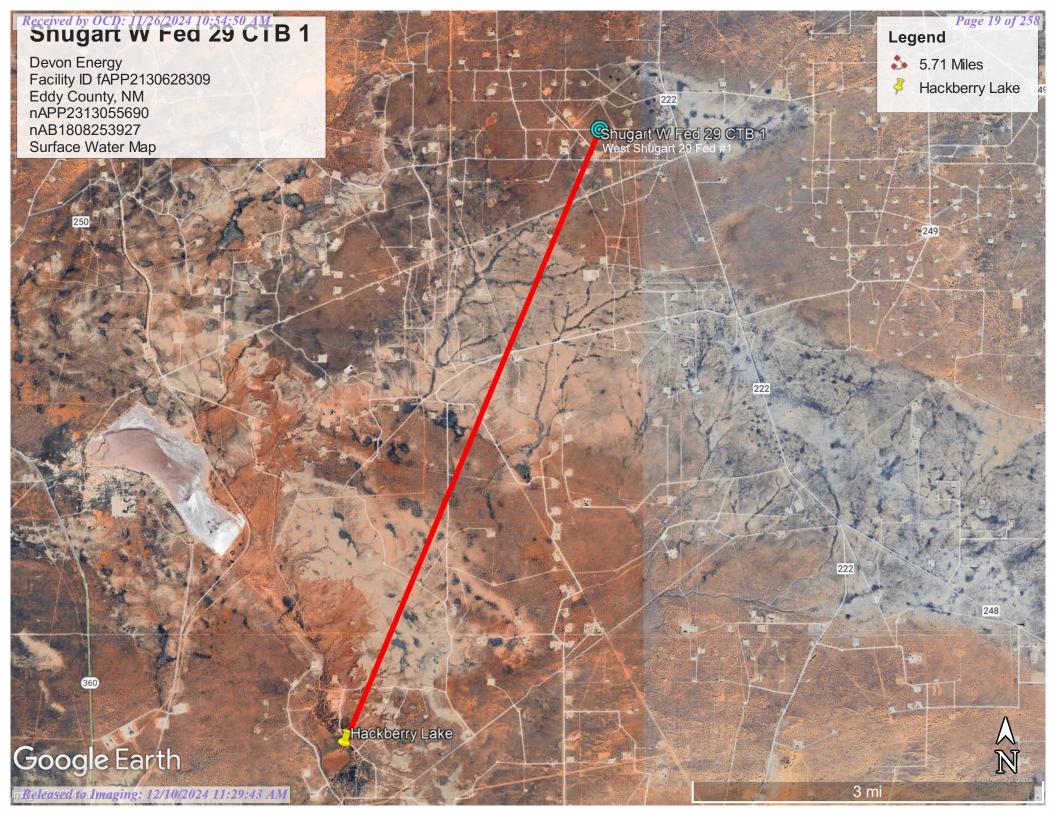
0.56 0.48 nadww01





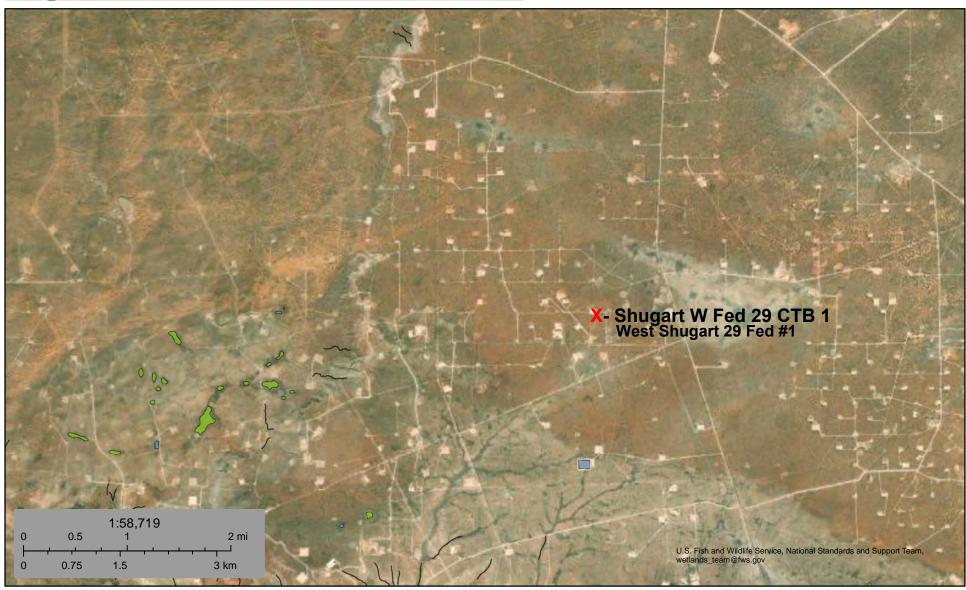
National Water Information System: Mapper







Wetlands Map



January 9, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

Other

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.

OReleasea to Imaging: 12/10/2024 OPP: 29:43 AM 1,500

National Flood Hazard Layer FIRMette





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

With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway

> 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

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage

Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs

OTHER AREAS Area of Undetermined Flood Hazard Zone D

- - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLILL Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline**

OTHER **Profile Baseline FEATURES** Hydrographic Feature

Digital Data Available

No Digital Data Available

Unmapped

MAP PANELS

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

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

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

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





Appendix B

Soil Survey
Soil Map
Geologic Unit Map

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w42 Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent Minor components: 1 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand H2 - 12 to 58 inches: sandy clay loam H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

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

inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Minor Components

Pajarito

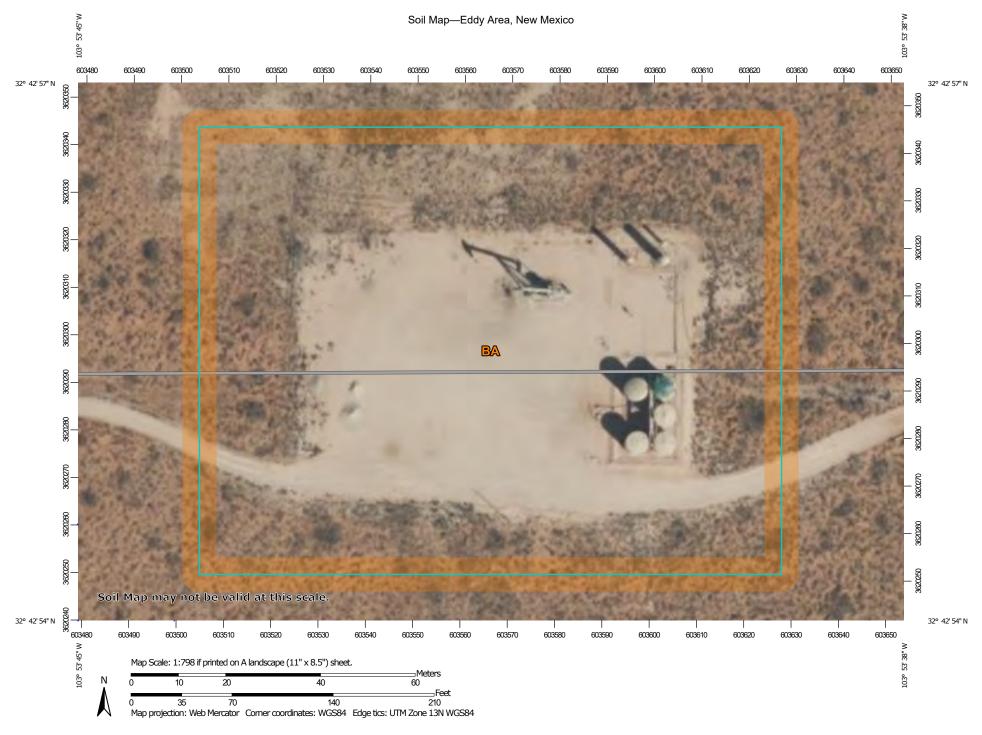
Percent of map unit: 1 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

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



MAP LEGEND

â

00

Δ

Water Features

Transportation

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Candfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

+ Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

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

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

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

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

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

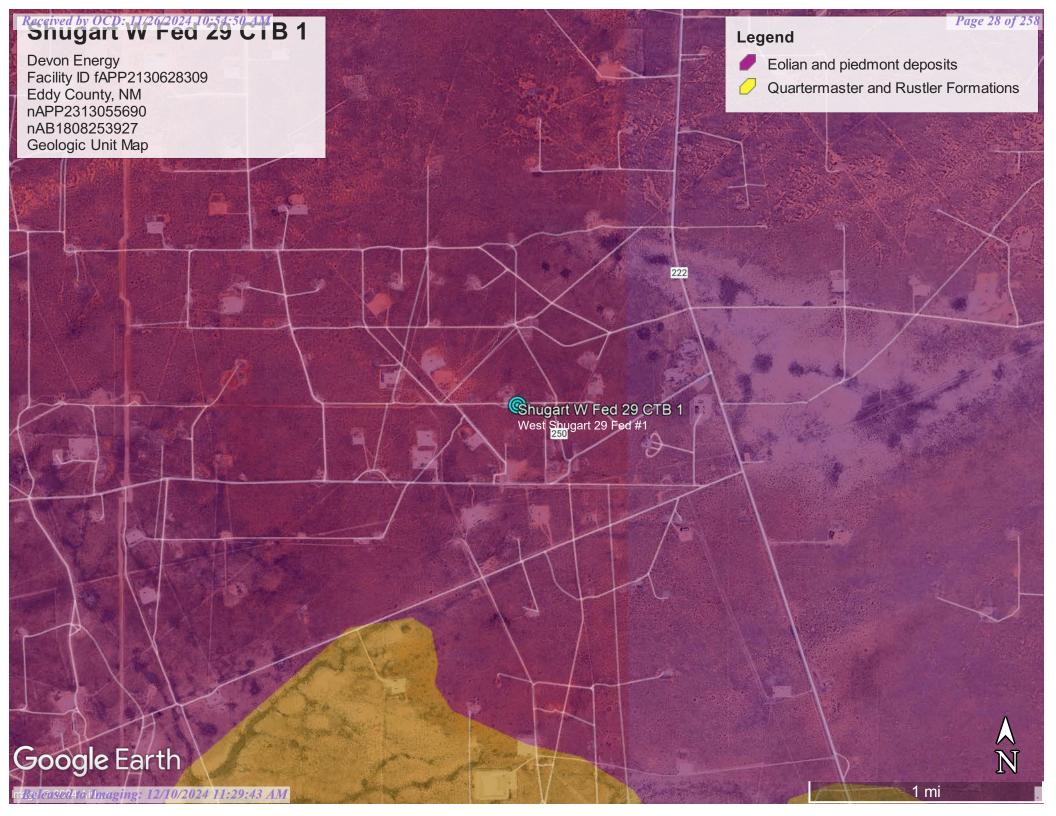
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

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

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

Map Unit Legend

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





Appendix C

Initial C-141 Forms

HIM OIL CONSERVATION

ARTESIA DISTRICT

Energy Minerals and Natural Resources MAR 2 2 2018

Form C-141 Revised April 3, 2017

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

Submit 1 Copy to appropriate District Office in **RECEIVED** accordance with 19.15.29 NMAC.

	Release Notification and Corrective Action											
NABIS	308253	3927			105	OPERA	ГOR		Initia	al Report		Final Report
Name of Company Devon Energy Production Company 1013 Contact Hubert Perry Address 6488 Seven Rivers Hwy Artesia, NM 88210 Telephone No. 575-748-3371												
				NM 88210		Telephone No. 575-748-3371						
Facility Nat	ne West S	hugart 29 Fe	deral I			Facility Typ	e Gas					
Surface Ow	ner Federa	ıl		Mineral C	wner F	ederal			API No	. 30-015-2	9948	
	LOCATION OF RELEASE											
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County		
K	29	18S	31E								Edo	iy
		Latitud	e 32.71	539	Lo	ngitude	103.89449		NAD8	33		
						OF RELI						
Type of Rele	ase Produce	ed Water			CICIO	т — — — — — — — — — — — — — — — — — — —	Release 9.4 bbls		Volume F	Recovered 5	bbls	
Source of Re	lease Produ	ced Water Ta	nk			1	lour of Occurrence			Hour of Dis		
Was Immedi	ata Matias (719				March 11, If YES, To	2018 1:00 PM M	ST	March 11	, 2018 1:00	PM N	1ST
was infinedi	ale Nolice C		Yes Γ	No Not R	eguired	BLM- She						
					<u>.</u>	OCD-Mike	Bratcher, Crysta					
By Whom? N Was a Water							Iour March 12, 20 olume Impacting to			<u> </u>		
was a water	course Read		Yes 🗵	No		N/A	nume impacting (ine wait	rcourse.			
	ırse was Im	pacted, Descr	ibe Fully.	*								
N/A												
D 11 C	CD 11	1.5	11 1 4 .1	70.1 #								
		em and Reme ot pull load fro		n Taken.* ank and tank over	filled sp	oilling produc	ed water into the	dirt SPC	CC contain	ment. All flu	uids st	tayed in the
earthen SPC	C containme	ent. The wells	were im	nediately shut off	to preve	ent farther rel	ease.					
Describe Are	a Affected	and Cleanup A	Action Tal	cen.*		Sant Nav						
Approximate	ly 9.4 bbls	of produced w	ater was i	eleased from the								
dispatched ai		d approximate	ely 5 bbls (of produced water	:. An en	vironmental	contractor will be	contacte	ed to assist	with deline	ation a	and
				.,								
I hereby cert	ify that the	information g	ven above	e is true and comp nd/or file certain i	lete to th	ne best of my	knowledge and u	inderstai	nd that purs	suant to NM eases which	OCD	rules and endanger
public health	or the envi	ronment. The	acceptan	ce of a C-141 repo	ort by the	e NMOCD m	arked as "Final R	Report" d	oes not rel	ieve the ope	rator	of liability
should their	operations h	nave failed to	adequately	investigate and i	emediate	e contaminati	on that pose a thr	reat to gr	ound water	r, surface w	ater, h	numan health
		addition, NMC ws and/or regi		otance of a C-141	report d	oes not reliev	e the operator of	responsi	bility for c	ompliance v	with ai	ny other
rederar, state	, or rocar ra	ws and/or regi	nations.				OIL CON	SERV	ATION	DIVISIO	ON	
		_							^	10		
Signature: J						Approved by	Environmental S	Specialis	: In K	ADV	1,	\longrightarrow
Printed Nam	e: Jennifer	Reyna	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				710711	\sim		5001	<u> </u>	
Title: Field	Admin Sup	port				Approval Da	te: 012011	b 1	Expiration	Date: N	 	
E-mail Addr	ess: Jennife	er.Reyna@dvi	n.com			Conditions o	- V 1 ^	ماه		Attached	, a	ا میں مرح
Date: 3/13/2018 Phone: 575.746.5588								U/U	Ø	/	拟	24017

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2313055690
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 6137

Responsible	Party Devo	n Energy Produc	ction Company	OGRID ₆₁	OGRID 6137				
Contact Nam	^{ie} Dale Wo	odall		Contact Te	Contact Telephone				
Contact emai	^{il} Dale.Wo	odall@dvn.con	n	Incident #	Incident # (assigned by OCD)				
Contact mail	ing address	6488 Seven Ri	vers Hwy Artes	ia, NM 88210					
	74500	•	Location	of Release So		242			
Latitude 32	./15689	9	(NAD 83 in dec	Longitude _cimal degrees to 5 decim	-103.8949	910			
Site Name Sh	nugart W F	ed 29 CTB 1		Site Type (Dil				
Date Release	Discovered	5/10/2023		API# (if app	licable)				
Unit Letter	Section	Township	Range	Coun	ıty	٦			
K	29	18S	31E	Edo	lv				
		l(s) Released (Select a	ll that apply and attach	l Volume of l	justification for th	e volumes provided below)			
Crude Oil			ed (bbls) 6.9 BBL	S	Volume Recovered (bbls) 4 BBLS				
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)				
			tion of total dissolv water >10,000 mg	\ /	Yes N	No			
Condensa	te	Volume Release	ed (bbls)		Volume Reco	overed (bbls)			
Natural G	as	Volume Release	ed (Mcf)		Volume Reco	overed (Mcf)			
Other (de	Other (describe) Volume/Weight Released (provide units				Volume/Weight Recovered (provide units)				
Cause of Rele	^{ease} Pin ho	ole leak devel	oped causing	oil spill.	I				

Received by OCD: 11/26/2024/10:54:50 AM State of New Mexico
Page 2 Oil Conservation Division

Page 32eof 258

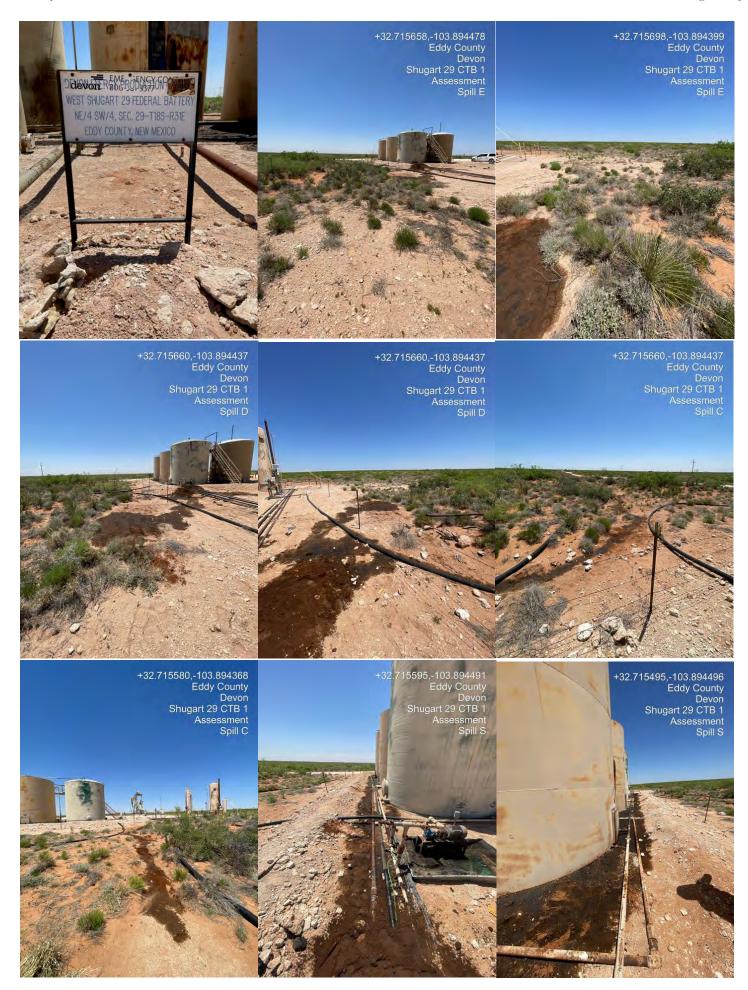
Incident ID	nAPP2313055690
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?						
☐ Yes ■ No								
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?						
Initial Response								
The responsible	party must undertake the following actions immediatel	unless they could create a safety hazard that would result in injury						
The source of the rele	ease has been stopped.							
The impacted area has been secured to protect human health and the environment.								
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.								
All free liquids and recoverable materials have been removed and managed appropriately.								
If all the actions described above have <u>not</u> been undertaken, explain why:								
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.						
I hereby certify that the info	rmation given above is true and complete to the	pest of my knowledge and understand that pursuant to OCD rules and						
		ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have						
failed to adequately investig	ate and remediate contamination that pose a thre	at to groundwater, surface water, human health or the environment. In						
addition, OCD acceptance o and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws						
Printed Name: Kendr	a Ruiz	Title: EHS Associate						
Signature: Kendra	ı Ruiz	Date: 5/19/2023						
_{email:} Kendra.Ru	iz@dvn.com	Telephone: 575-748-0167						
		•						
OCD Only								
Received by: Jocely	yn Harimon	Date: 05/19/2023						
-								



Appendix D

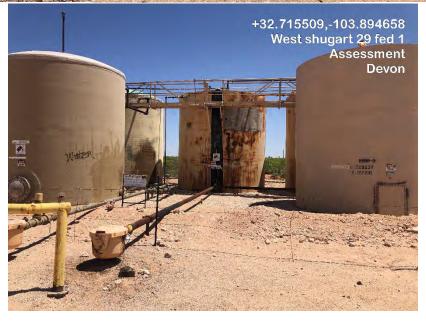
Photographic Documentation













Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305132

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/26/23

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

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

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

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

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

Date Reported: 5/26/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1

Workorder: E305132

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

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2'	11
S2 - 3'	12
S2 - 4'	13
S3 - 1'	14
S3 - 2'	15
S3 - 3'	16
S3 - 4'	17
S4 - 1'	18
S4 - 2'	19
S4 - 3'	20
S4 - 4'	21
SW1	22
SW2	23
SW3	24
SW4	25

Table of Contents (continued)

QC Summary Data	
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

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

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



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

S1 - 1' E305132-01

		E305132-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2321031
Benzene	0.536	0.125	5	05/23/23	05/24/23	
Ethylbenzene	3.73	0.125	5	05/23/23	05/24/23	
Toluene	1.77	0.125	5	05/23/23	05/24/23	
o-Xylene	4.06	0.125	5	05/23/23	05/24/23	
p,m-Xylene	8.85	0.250	5	05/23/23	05/24/23	
Total Xylenes	12.9	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321031
Gasoline Range Organics (C6-C10)	488	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	20800	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	7970	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		251 %	50-200	05/23/23	05/24/23	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321039
Chloride	113	20.0	1	05/23/23	05/25/23	



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

S1 - 2'

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



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

S1 - 3'

E305132-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: IY		Batch: 2321031
Benzene	0.211	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.44	0.125	5	05/23/23	05/24/23	
Toluene	0.914	0.125	5	05/23/23	05/24/23	
o-Xylene	2.66	0.125	5	05/23/23	05/24/23	
p,m-Xylene	6.14	0.250	5	05/23/23	05/24/23	
Total Xylenes	8.80	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	363	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2321043	
Diesel Range Organics (C10-C28)	12500	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	5050	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		191 %	50-200	05/23/23	05/24/23	
nions by EPA 300.0/9056A mg/kg mg/k		mg/kg	Analys	st: BA		Batch: 2321039
Chloride	54.9	20.0	1	05/23/23	05/25/23	

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

S1 - 4'

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



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

S2 - 1'

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



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

S2 - 2'

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



Chloride

Sample Data

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

S2 - 3'

		E305132-07					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2321031	
Benzene	0.250	0.125	5	05/23/23	05/24/23		
Ethylbenzene	3.01	0.125	5	05/23/23	05/24/23		
Toluene	1.15	0.125	5	05/23/23	05/24/23		
o-Xylene	3.33	0.125	5	05/23/23	05/24/23		
p,m-Xylene	7.47	0.250	5	05/23/23	05/24/23		
Total Xylenes	10.8	0.125	5	05/23/23	05/24/23		
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/23/23	05/24/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2321031	
Gasoline Range Organics (C6-C10)	425	100	5	05/23/23	05/24/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	05/23/23	05/24/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2321043	
Diesel Range Organics (C10-C28)	18400	1250	50	05/23/23	05/25/23		
Oil Range Organics (C28-C36)	7410	2500	50	05/23/23	05/25/23		
Surrogate: n-Nonane		241 %	50-200	05/23/23	05/25/23	S5	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analysi	:: BA		Batch: 2321039	

20.0

87.2

05/23/23

05/25/23



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

S2 - 4'

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



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

S3 - 1'

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



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

S3 - 2'

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



Sample Data

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

S3 - 3'

E305132-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Benzene	0.121	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	1.72	0.0500	2	05/23/23	05/25/23	
Toluene	0.639	0.0500	2	05/23/23	05/25/23	
o-Xylene	1.93	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	4.29	0.100	2	05/23/23	05/25/23	
Total Xylenes	6.21	0.0500	2	05/23/23	05/25/23	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2321031
Gasoline Range Organics (C6-C10)	243	40.0	2	05/23/23	05/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		116 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2321043
Diesel Range Organics (C10-C28)	12200	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	5000	2500	50	05/23/23	05/25/23	
Surrogate: n-Nonane		184 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321039
Chloride	52.8	20.0	1	05/23/23	05/25/23	



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

S3 - 4'

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



Chloride

Sample Data

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

S4 - 1'

E305132-13 Reporting Analyte Result Limit Dilution Analyzed Prepared Notes Analyst: IY Batch: 2321031 mg/kg mg/kg Volatile Organics by EPA 8021B 5 05/23/23 05/25/23 0.444 0.125 Benzene 5 05/23/23 05/25/23 Ethylbenzene 4.03 0.1251.69 0.125 5 05/23/23 05/25/23 Toluene 5 05/23/23 05/25/23 o-Xylene 4.51 0.1255 05/23/23 05/25/23 9.44 0.250 p,m-Xylene 5 05/23/23 05/25/23 Total Xylenes 13.9 0.12505/25/23 116% 70-130 05/23/23 Surrogate: 4-Bromochlorobenzene-PID mg/kg mg/kg Analyst: IY Batch: 2321031 Nonhalogenated Organics by EPA 8015D - GRO 05/25/23 100 5 05/23/23 527 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 110 % 05/23/23 05/25/23 70-130 mg/kg mg/kg Analyst: KM Batch: 2321043 Nonhalogenated Organics by EPA 8015D - DRO/ORO 1250 50 05/23/23 05/25/23 23400 Diesel Range Organics (C10-C28) 50 05/23/23 05/25/23 Oil Range Organics (C28-C36) 9310 2500 05/25/23 Surrogate: n-Nonane 274 % 50-200 05/23/23 S5 Analyst: BA Batch: 2321039 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

05/23/23

05/25/23

95.5



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

S4 - 2'

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



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

S4 - 3'

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



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

S4 - 4'

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



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

SW1

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



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

SW2

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



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

SW3

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



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

SW4

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



		₹ € ≈.		ary Dat					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Shugart W Fed 01058-0007 Tom Bynum	29 CTB 1			5	Reported: 2/26/2023 8:37:46AM
Fiams 1A, /9555-024/		Project Manager:		Tom Bynum					720/2023 8.37.40AM
		Volatile O	rganics	by EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321031-BLK1)							Prepared: 0	5/23/23 An	alyzed: 05/24/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		105	70-130			
LCS (2321031-BS1)							Prepared: 0	5/23/23 An	alyzed: 05/24/23
Benzene	4.03	0.0250	5.00		80.6	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.6	70-130			
Toluene	4.33	0.0250	5.00		86.6	70-130			
o-Xylene	4.44	0.0250	5.00		88.8	70-130			
p,m-Xylene	8.67	0.0500	10.0		86.7	70-130			
Total Xylenes	13.1	0.0250	15.0		87.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			
Matrix Spike (2321031-MS1)				Source:	E305132-0	2	Prepared: 0	5/23/23 An	alyzed: 05/24/23
Benzene	21.1	0.125	25.0	0.201	83.6	54-133			
Ethylbenzene	25.6	0.125	25.0	2.87	91.1	61-133			
Toluene	23.4	0.125	25.0	1.07	89.3	61-130			
o-Xylene	26.4	0.125	25.0	3.12	93.2	63-131			
p,m-Xylene	51.0	0.250	50.0	7.02	87.9	63-131			
Total Xylenes	77.4	0.125	75.0	10.1	89.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	46.9		40.0		117	70-130			
Matrix Spike Dup (2321031-MSD1)				Source:	E305132-0	2	Prepared: 0	5/23/23 An	alyzed: 05/24/23
Benzene	21.8	0.125	25.0	0.201	86.5	54-133	3.40	20	
Ethylbenzene	26.3	0.125	25.0	2.87	93.9	61-133	2.68	20	
Toluene	24.2	0.125	25.0	1.07	92.4	61-130	3.23	20	
o-Xylene	27.1	0.125	25.0	3.12	95.9	63-131	2.60	20	
p,m-Xylene	52.3	0.250	50.0	7.02	90.6	63-131	2.61	20	
	79.4	0.125	75.0	10.1	92.4	63-131	2.60	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5.	/26/2023 8:37:46AM	
	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	
Blank (2321031-BLK1)							Prepared: 0:	5/23/23 Ana	alyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130				
LCS (2321031-BS2)							Prepared: 0:	5/23/23 Ana	alyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		93.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130				
Matrix Spike (2321031-MS2)				Source:	E305132-0	02	Prepared: 0:	5/23/23 Ana	alyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	661	100	250	396	106	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	43.6		40.0		109	70-130				
Matrix Spike Dup (2321031-MSD2)				Source:	E305132-0	02	Prepared: 0	5/23/23 Ana	alyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	640	100	250	396	97.7	70-130	3.29	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	43.6		40.0		109	70-130				



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

Plains TX, 79355-0247		Project Manager	r: Io	m Bynum					5/26/2023 8:37:46AN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321043-BLK1)							Prepared: 0	5/23/23 A	nalyzed: 05/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	62.1		50.0		124	50-200			
LCS (2321043-BS1)							Prepared: 0	5/23/23 A	nalyzed: 05/24/23
Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132			
urrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike (2321043-MS1)				Source:	E305132-	20	Prepared: 0	5/23/23 A	nalyzed: 05/24/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
urrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike Dup (2321043-MSD1)				Source:	E305132-2	20	Prepared: 0	5/23/23 A	nalyzed: 05/24/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	3.28	20	
urrogate: n-Nonane	55.1		50.0		110	50-200			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Number: Project Manager:	C	Shugart W Fed 2 11058-0007 Som Bynum	29 CTB 1			Reported: 5/26/2023 8:37:46AM			
		Anions l	by EPA	300.0/9056A	<u>.</u>				Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2321039-BLK1)							Prepared: 0	5/23/23	Analyzed: 05/25/23	
Chloride	ND	20.0								
LCS (2321039-BS1)							Prepared: 0	5/23/23	Analyzed: 05/25/23	
Chloride	261	20.0	250		105	90-110				
Matrix Spike (2321039-MS1)				Source:	E305132-0	1	Prepared: 0	5/23/23	Analyzed: 05/25/23	
Chloride	366	20.0	250	113	101	80-120				
Matrix Spike Dup (2321039-MSD1)				Source:	E305132-0	1	Prepared: 0	5/23/23	Analyzed: 05/25/23	
Chloride	368	20.0	250	113	102	80-120	0.531	20		

QC Summary Report Comment:

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



Definitions and Notes

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

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project	Information
Client:	Pima Enviro

Chain of Custody

			1
Page _	1	_ of	2

Received by OCD: 11/26/2024 10:54:50 AM

Client: Pima Environmental Services Project: Shyart Wed-29 CTB1 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by: Time Sampled Date Sampled Matrix No. of Containers Sample ID S: 00 5/12/23 S	Lab Number		GRO/DRO by 8015 #O#		2	Olos Analys	chloride 300.0	7	D WN DOGDB	ΧŁ	3D	NM CO	State UT AZ	SDWA RCRA
Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs. NM. 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by: Time Sampled Date Sampled Matrix No. of Containers Sample ID S: 50 5/12/23 S	Number 1	8015	8015			Analys	is and M		NM			NM CO		
City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by: Time Sampled Date Sampled Matrix No. of Containers Sample ID S: (30 5/12/23 5 1 5/-1)	Number 1	DRO/ORO by 8015		BTEX by 8021				lethod	NM					
Phone: 580-748-1613	Number 1	DRO/ORO by 8015		BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0							TX
Email: tom@pimaoil.com Report due by: Time Sampled Sampled Matrix No. of Containers Sample ID S: CO 5/12/23 S I 5/-I'	Number 1	DRO/ORO by 801		BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0							TX
Report due by: Time Sampled Sampled Matrix No. of Containers Sample ID S: (30 5/12/23 5 1 5/-1)	Number 1	DRO/ORO b	GRO/DRO by	втех by 802	VOC by 8260	Metals 6010	Chloride 300							
8:00 5/12/23 5 1 5/-1'	Number 1	DRO/O	GRO/D	BTEX by	VOC by	Metals	Chlorid		DOC	20	1			
						and the second	0		BG	верос			Remarks	
1 1 1 1 1 1 1 1 1 1 1 1 1									x					
8:05	_								1					
8:10 5(-3)	3													
8:15 51-4	4								1					
8:20	5													
8:25 52-2	6													
8:30 52 -3	7													
8:35 52-4'	8													
8.40 S3-i	9													
8:45 53-2	10								1					
Additional Instructions: B# 2116 5 88 1														
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling date or time of collection is considered fraud and may be grounds for legal action.	g the sample	locatio	n,									ved on ice the day Con subsequent da	The second second	d or received
Relinquished by: (Signature) S 22 23 Time 200 Received by: (Signature)	5-22	-	Time	42	5	Recei	ved on	ice:	La		e Only			
Recovery (Signature) 5.22 · 23 1730 Recovery (Signature)	5-22	-23	Time	20		T1		Add Street	<u>T2</u>			<u>T3</u>		
Recline Using the day: (Signature) Date Time Received by: (Signature) 1-22-23 2466 Calle Man	5/23/2	23	S'15	5		AVG :	Γemp °C	4	+					
					o po	ly/pla	stic, ag-	ambe	r glas					
Note Paropherine discarded 20 days often results are reported unless other to angenerate made. Hazardous sa ample to applicable only to the exemples received by the laboratory with the COC. The liability of the laboratory is					nt or	dispos	ed of at th	ie clier	nt exp	ense.	The re	port for the and	lysis of the	ahove



nt: Pima Environmental Services ect: Shugart W Fed. 29 CTB1 ect Manager: Tom Bynum Attention: Address:					То		Lab \	MO#	Lab	o Us	e Onl	y Jumb	ner .	1D	I2D	TA 3D	T Standard	EPA P	rogram
ect Manager: Tom I	ct Manager: Tom Bynum Address:				ddress:					5	0/05	8-6	per 2007		20	30	X	CWA	
	ess: 5614 N. Lovington Hwy. State, Zip Hobbs. NM. 88240 City, State, Zip Phone:								-	-	Analys	sis an	d Method						RCRA
ne: 580-748-1613 nil: tom@pimaoil.c				Email:			3015	8015						7			NIMI CO	State O UT AZ	TX
ort due by:	OIII			Pima Project # 2	05-2		RO by	RO by	y 8021	8260	6010	le 300.0		NM	×		X	J OT AL	IX
me Date Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		BGDOC	BGDOC			Remarks	
508/12/12 5	1	53.	-3`			11								×					
55	1	53-	4			12								1					
:00		54-	1			13								T					
or		54-	2`			14								1					
.10		54-	3			15													
115		54-	-4'			16													
05:		SWI				17								I					
25		SWZ				18													
30		Sw.	3			19													
35	1	5w2 5w	4			20								1					
litional Instructions:			,	BH 21	16588	l													
ld sampler), attest to the valid or time of collection is consid	lity and auther ered fraud and	nticity of this samp	ple. I am aw for legal acti	vare that tampering with or into	entionally mislabell	ing the sample	e locatio	on,									eived on ice the da °C on subsequent		led or receive
quished by: (Signature)		/22/23		Received by: (Signatu	re)	Date 5-22		Time	40	5	Rece	eived	on ice:	-	ab Us	se On	ly		
nquished by: (Signature)	Dat 5		1731	Received by: (Signatu	450	5-22	23				T1			T2			T3		
iguished by: (Signature)	Dat	5-72-23	7 Um	Received by: Signatu	man.	Date /	12	Time	15		AVG	Tem	p°c_4						
ole Matrix: S. Soil, Sd - Solid, 5	ig Sludge, A				, 600	Containe	r Type	ng-8	lass, p	o-po	oly/pl	astic,	ag - amb	er gla	SS, V -	VOA	annet for the a	naturie of the	abovo
ates is obligated to act as a a State obligation of a sa	out of the	enough are report transford by the	rico untess Elaborator	office or angements are no y with this COC The hability	of the laborator	y is limited t	o the a	meen	t paid	for or	n the r	eport					ro '		



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

Envirotech Analytical Laboratory

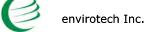
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	D' F : (10 ' C 11 1				
Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/23 0	8:15	Work Order ID: E305132
Phone:		Date Logged In:	05/22/23 1		Logged In By: Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/26/23 1	7:00 (3 day TAT)	
Chain of	Custody (COC)				
	he sample ID match the COC?		Yes		
	he number of samples per sampling site location match	h the COC	Yes		
	amples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes		
	all samples received within holding time?	•	Yes		
	Note: Analysis, such as pH which should be conducted in t				Comments/Resolution
Commis 7	i.e, 15 minute hold time, are not included in this disucssion	l .		1	<u>Comments/Resolution</u>
	Furn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Project Shugart W Fed 29 CTB 1 has been
	· •		103		separated into 2 reports due to sample
7 Was a	sample cooler received?		Yes		volume. Workorders are as follows:
	was cooler received in good condition?		Yes		
•	e sample(s) received intact, i.e., not broken?				E305132 & E305133.
	custody/security seals present?		Yes		
	, were custody/security seals intact?		No		
-	•		NA		
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°0	<u>C</u>		
	<u>Container</u>				
	queous VOC samples present?		No		
	OC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	on-VOC samples collected in the correct containers?		Yes		
	appropriate volume/weight or number of sample containe	rs collected?	Yes		
Field Lal		, •			
	field sample labels filled out with the minimum informample ID?	mation:	Yes		
	Date/Time Collected?		Yes		
	Collectors name?		No		
Sample I	<u>Preservation</u>				
21. Does	the COC or field labels indicate the samples were pre-	served?	No		
	ample(s) correctly preserved?		NA		
24. Is lab	filteration required and/or requested for dissolved me	tals?	No		
Multipha	ase 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 analyz	red?	NA		
Subconti	ract Laboratory				
	amples required to get sent to a subcontract laboratory	r?	No		
	a subcontract laboratory specified by the client and if s		NA	Subcontract Lab	o: NA
Client I	nstruction_				
	<u></u>				

Date



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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/26/23

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

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

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

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

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

Date Reported: 5/26/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1

Workorder: E305133

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

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
C1 - 1'	6
C1 - 2'	7
C1 - 3'	8
C2 - 1'	9
C2 - 2'	10
C2 - 3'	11
C3 - 1'	12
C3 - 2'	13
C3 - 3'	14
CW1	15
CW2	16
CW3	17
CW4	18
D1 - 1'	19
D1 - 2'	20
D1 - 3'	21
D1 - 4'	22
DW1	23
DW2	24
DW3	25

Table of Contents (continued)

	E1 - 1'	26
	E1 - 2'	27
	E1 - 3'	28
	E1 - 4'	29
	EW1	30
	EW2	31
	EW3	32
Q	C Summary Data	33
	QC - Volatile Organic Compounds by EPA 8260B	33
	QC - Volatile Organics by EPA 8021B	34
	QC - Nonhalogenated Organics by EPA 8015D - GRO	35
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	37
	QC - Anions by EPA 300.0/9056A	39
D	efinitions and Notes	41
С	hain of Custody etc.	42

Sample Summary

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

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

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

C1 - 1'

		2000100 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	0.774	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	0.823	0.125	5	05/23/23	05/24/23	
p,m-Xylene	1.85	0.250	5	05/23/23	05/24/23	
Total Xylenes	2.67	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: SL			Batch: 2321033
Gasoline Range Organics (C6-C10)	138	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	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	
Surrogate: n-Nonane		127 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	

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

C1 - 2'

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



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

C1 - 3'

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



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

C2 - 1'

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



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

C2 - 2'

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



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

C2 - 3'

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



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

C3 - 1'

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



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

C3 - 2'

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



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

C3 - 3'

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



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

CW1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/24/23	
Surrogate: n-Nonane		104 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2321038
Amons by ETA 500:0/7030A						



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

CW2

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



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

CW3

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



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

CW4

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



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

D1 - 1'

		E305133-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.15	0.125	5	05/23/23	05/24/23	
Toluene	0.709	0.125	5	05/23/23	05/24/23	
o-Xylene	1.95	0.125	5	05/23/23	05/24/23	
p,m-Xylene	5.35	0.250	5	05/23/23	05/24/23	
Total Xylenes	7.30	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Gasoline Range Organics (C6-C10)	278	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	9610	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	3530	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		120 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



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

D1 - 2' E305133-15

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

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

D1 - 3' E305133-16

	E303133-10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
ND	0.0500	2	05/23/23	05/24/23	
1.86	0.0500	2	05/23/23	05/24/23	
0.0502	0.0500	2	05/23/23	05/24/23	
1.50	0.0500	2	05/23/23	05/24/23	
4.08	0.100	2	05/23/23	05/24/23	
5.58	0.0500	2	05/23/23	05/24/23	
	98.1 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analyst: SL			Batch: 2321033
206	40.0	2	05/23/23	05/24/23	
	107 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
7830	1250	50	05/23/23	05/25/23	
ND	2500	50	05/23/23	05/25/23	
	145 %	50-200	05/23/23	05/25/23	
mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
46.7	20.0	1	05/23/23	05/24/23	
	mg/kg ND 1.86 0.0502 1.50 4.08 5.58 mg/kg 206 mg/kg 7830 ND	Result Reporting Limit mg/kg mg/kg ND 0.0500 1.86 0.0500 0.0502 0.0500 1.50 0.0500 4.08 0.100 5.58 0.0500 98.1 % mg/kg mg/kg mg/kg 107 % mg/kg mg/kg mg/kg 7830 1250 ND 2500 145 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0500 2 1.86 0.0500 2 0.0502 0.0500 2 1.50 0.0500 2 4.08 0.100 2 5.58 0.0500 2 98.1 % 70-130 mg/kg mg/kg Analys 206 40.0 2 107 % 70-130 mg/kg mg/kg Analys 7830 1250 50 ND 2500 50 145 % 50-200 mg/kg Mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 1.86 0.0500 2 05/23/23 0.0502 0.0500 2 05/23/23 1.50 0.0500 2 05/23/23 4.08 0.100 2 05/23/23 5.58 0.0500 2 05/23/23 mg/kg mg/kg Analyst: SL 206 40.0 2 05/23/23 mg/kg mg/kg Analyst: KM 7830 1250 50 05/23/23 ND 2500 50 05/23/23 mg/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 05/24/23 1.86 0.0500 2 05/23/23 05/24/23 0.0502 0.0500 2 05/23/23 05/24/23 1.50 0.0500 2 05/23/23 05/24/23 4.08 0.100 2 05/23/23 05/24/23 5.58 0.0500 2 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL 206 40.0 2 05/23/23 05/24/23 mg/kg mg/kg Analyst: KM 7830 1250 50 05/23/23 05/25/23 ND 2500 50 05/23/23 05/25/23 mg/kg mg/kg Analyst: BA

Sample Data

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

D1 - 4'

		E305133-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	1.32	0.0250	1	05/23/23	05/24/23	
Toluene	0.0274	0.0250	1	05/23/23	05/24/23	
o-Xylene	1.29	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	3.08	0.0500	1	05/23/23	05/24/23	
Total Xylenes	4.37	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	157	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	7050	1250	50	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/25/23	
Surrogate: n-Nonane		143 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2321038
Chloride	36.7	20.0	1	05/23/23	05/24/23	



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

DW1

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



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

DW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2321038
Amons by E111200:0/203011						



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

DW3

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



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

E1 - 1' E305133-21

		2000100 21				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
				1	Milaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		nalyst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
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	A	nalyst: 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	A	nalyst: 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	A	.nalyst: BA		Batch: 2321037
Chloride	28.5	20.0	1	05/23/23	05/24/23	

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

E1 - 2' E305133-22

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

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

E1 - 3' E305133-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: SL	<u> </u>	Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	Batch. 2321021
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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2321037
Chloride	22.5	20.0	1	05/23/23	05/24/23	



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

E1 - 4' E305133-24

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

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

EW1 E305133-25

	Reporting								
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2321021		
Benzene	ND	0.0250	1	1	05/23/23	05/24/23			
Ethylbenzene	ND	0.0250	1	1	05/23/23	05/24/23			
Toluene	ND	0.0250	1	1	05/23/23	05/24/23			
o-Xylene	ND	0.0250	1	1	05/23/23	05/24/23			
p,m-Xylene	ND	0.0500	1	1	05/23/23	05/24/23			
Total Xylenes	ND	0.0250	1	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	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	1	05/23/23	05/25/23			
Oil Range Organics (C28-C36)	ND	50.0	1	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		
	ND	20.0			05/23/23	05/24/23			

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

EW2 E305133-26

		Reporting								
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 5	SL		Batch: 2321021			
Benzene	ND	0.0250	1		05/23/23	05/24/23				
Ethylbenzene	ND	0.0250	1		05/23/23	05/24/23				
Toluene	ND	0.0250	1		05/23/23	05/24/23				
o-Xylene	ND	0.0250	1		05/23/23	05/24/23				
p,m-Xylene	ND	0.0500	1		05/23/23	05/24/23				
Total Xylenes	ND	0.0250	1		05/23/23	05/24/23				
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23				
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23				
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2321021			
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/23/23	05/24/23				
Surrogate: Bromofluorobenzene		107 %	70-130		05/23/23	05/24/23				
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/23/23	05/24/23				
Surrogate: Toluene-d8		105 %	70-130		05/23/23	05/24/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	KM		Batch: 2321041			
Diesel Range Organics (C10-C28)	ND	25.0	1		05/23/23	05/25/23				
Oil Range Organics (C28-C36)	ND	50.0	1		05/23/23	05/25/23				
Surrogate: n-Nonane		92.9 %	50-200		05/23/23	05/25/23				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	BA		Batch: 2321037			

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

EW3 E305133-27

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



Shugart W Fed 29 CTB 1 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/26/2023 2:49:17PM Volatile Organic Compounds by EPA 8260B Analyst: SL Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2321021-BLK1) Prepared: 05/23/23 Analyzed: 05/23/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 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 0.500 105 70-130 Surrogate: Toluene-d8 0.525 LCS (2321021-BS1) Prepared: 05/23/23 Analyzed: 05/23/23 2.72 0.0250 2.50 109 70-130 Benzene 70-130 2.70 2.50 108 0.0250 Ethylbenzene Toluene 2.74 0.0250 2.50 110 70-130 2.94 2.50 117 70-130 0.0250 o-Xylene 5.77 5.00 115 70-130 p,m-Xylene 0.0500 8.71 0.0250 7.50 116 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.533 0.500 107 70-130 0.513 0.500 103 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 70-130 0.529

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 Snike Dun (2321021-MSD1)				Source	F305129_	27	Prepared: 05/23/23 Analyzed: 05/23/23

Matrix Spike Dup (2321021-MSD1)				Source: E305129-27			Prepared: 05	5/23/23 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 S	umm	ary Dat	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Shugart W Fed 01058-0007 Tom Bynum	29 CTB 1				Reported: 5/26/2023 2:49:17PM
		, ,		by EPA 802)1D				
		voiatile O	rgames	Dy EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321033-BLK1)							Prepared: 0	5/23/23 A	Analyzed: 05/24/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 0	5/23/23 A	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			
o,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: 0	5/23/23 A	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			
-Xylene	26.2	0.125	25.0	0.823	102	63-131			
o,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: 0	5/23/23 A	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	
37. 1	25.4	0.125	25.0	0.022	09.4	62 121	2.06	20	

0.823

1.85

2.67

25.0

50.0

75.0

63-131

63-131

63-131

70-130

98.4

96.3

97.0

20

20

20

3.06

3.07

3.06



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

25.4

50.0

75.4

39.5

0.125

0.250

0.125

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

Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: SL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	

Analyte	Result	Reporting Limit	Spike Level	Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321021-BLK1)							Prepared: 0:	5/23/23 Anal	yzed: 05/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2321021-BS2)							Prepared: 0	5/23/23 Anal	yzed: 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: 0	5/23/23 Anal	yzed: 05/23/23
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			
Matrix Spike Dup (2321021-MSD2)				Source:	E305129-	27	Prepared: 0	5/23/23 Anal	yzed: 05/23/23
Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5/2	26/2023 2:49:17PM	
	Non	halogenated	Organics l	Analyst: SL						
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2321033-BLK1)							Prepared: 0:	5/23/23 Ana	lyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130				
LCS (2321033-BS2)							Prepared: 0:	5/23/23 Ana	lyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130				
Matrix Spike (2321033-MS2)				Source:	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: 0	5/23/23 Ana	lyzed: 05/24/23	
Gasoline Range Organics (C6-C10)	400	100	250	138	105	70-130	0.990	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.5		40.0		96.1	70-130				



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

	Project Manage	r: To	m Bynum					5/26/2023 2:49:17PN
Nonhal	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: KM
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0:	5/23/23 A	nalyzed: 05/24/23
ND	25.0							
ND	50.0							
44.5		50.0		89.1	50-200			
						Prepared: 0:	5/23/23 A	nalyzed: 05/25/23
247	25.0	250		98.6	38-132			
44.5		50.0		89.0	50-200			
			Source:	Source: E305119-10			5/23/23 A	nalyzed: 05/25/23
247	25.0	250	ND	98.9	38-132			
41.6		50.0		83.1	50-200			
			Source:	E305119-	10	Prepared: 0:	5/23/23 A	nalyzed: 05/25/23
247	25.0	250	ND	98.9	38-132	0.0311	20	
42.6		50.0		85.2	50-200			
	Result mg/kg ND ND 44.5 247 44.5	Nonhalogenated Or Reporting Limit mg/kg Limit mg/kg ND 25.0 ND 50.0 44.5	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 8015 Result	Nonhalogenated Organics by EPA 8015D - DRO Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg % ND	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %



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

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

Matrix Spike Dup (2321037-MSD1)

270

Chloride

QC Summary Data

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

1 Tojeet Wanage		ли Бунані					
Anions	s by EPA 3	00.0/9056A	\				Analyst: BA
Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					Prepared: 0	5/23/23 A	nalyzed: 05/24/23
20.0							
					Prepared: 0	5/23/23 A	nalyzed: 05/24/23
20.0	250		99.3	90-110			
		Source:	E305133-	21	Prepared: 0	5/23/23 A	nalyzed: 05/24/23
20.0	250	28.5	99.5	80-120			
	Anions Reporting Limit mg/kg 20.0	Anions by EPA 3 Reporting Spike Level mg/kg mg/kg 20.0 20.0 250	Anions by EPA 300.0/9056A Reporting Spike Source Result mg/kg mg/kg mg/kg 20.0 20.0 Source:	Anions by EPA 300.0/9056A Reporting Spike Source Limit Level Result Rec mg/kg mg/kg mg/kg % 20.0 20.0 20.0 250 99.3 Source: E305133-	Anions by EPA 300.0/9056A Reporting Spike Source Result Rec Limits mg/kg mg/kg mg/kg % % 20.0 20.0 20.0 250 99.3 90-110 Source: E305133-21	Anions by EPA 300.0/9056A Reporting Spike Source Result Rec Limits RPD mg/kg mg/kg % % % Prepared: 0 20.0 20.0 20.0 20.0 Source: E305133-21 Prepared: 0	Anions by EPA 300.0/9056A Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % Prepared: 05/23/23 A 20.0 Prepared: 05/23/23 A 20.0 250 99.3 90-110 Source: E305133-21 Prepared: 05/23/23 A

250

20.0

Source: E305133-21

96.6

80-120

2.70

28.5



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

20

QC Summary Data

Pima Environmental Services-Carlsbac PO Box 247	1	Project Name: Project Number:		Shugart W Fed 1058-0007	29 CTB 1				Reported:
Plains TX, 79355-0247		Project Manager	: Т	Com Bynum					5/26/2023 2:49:17PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321038-BLK1)							Prepared: ()5/23/23 A	Analyzed: 05/24/23
Chloride	ND	20.0							
LCS (2321038-BS1)							Prepared: ()5/23/23 A	Analyzed: 05/24/23
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2321038-MS1)				Source:	E305133-0)1	Prepared: (05/23/23 A	Analyzed: 05/24/23
Chloride	281	20.0	250	22.7	103	80-120			
Matrix Spike Dup (2321038-MSD1)				Source:	E305133-0)1	Prepared: ()5/23/23 A	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.



EPA Program	TAT		I		diameter and the	b Us	-			D ^{Bill To}		es	al Service	ronment	nt: Pima Environmental Services ect: Shogart W Fed. 29CTB Attention:			
tandard CWA SDWA	3D St	1D 2D		ber -0007		Job N		13	wo#	Lab F 2	Attention: Ve Von	-	90181	Fed. 1	Tom By	lanager:	Project A	
RCRA				nd Metho				10	ديد	I- (City, State, Zip	City, Sta		n Hwy.	Lovingto	5614 N.	Address:	
State									2	S	Phone: Email:			1. 88240		e, Zip Ho 580-748-		
NM CO UT AZ TX		NIN XI			0.00	0	09	21	y 801	3y 8015				1		tom@pim		
			1		Chloride 300.0	Metals 6010	VOC by 8260	BTEX by 8021	GRO/DRO by 8015	DRO/ORO by	Pima Project # 265-2	Pimar					Report d	
Remarks		BGDOC			Chlor	Meta	VOC	BTEX	GRO/	DRO/	Number		Sample ID	No. of Containers	Matrix	Date Sampled	Time Sampled	
Page of Standard CWA SDWA RCRA State NM CO UT AZ TX Remarks		×									1		C1-1	١	5	5/12/23	9:45	
		1	1								2	`	C1-1	1	Ĭ		9:50	
			1								3	The second secon	C1-3			7	9:55	
			1								4		C2-1'				16:00	
		H	1								5		C2-2				10:05	
			1		_						6		C2-3		-			
		++-	+							-		Transport of the company	CL 3				10:10	
		1	1							_	7		C3-1				10:15	
											8		C3-2				10:20	
											9	7	C3-1				10:75	
		1									/0	1 pro de estacación	CWI	1			10:30	
	,			A							BH 21165881	В	<u> </u>		tions:	al Instruct	CONTRACTOR OF PERSONS ASSESSED.	
ed on ice the day they are sampled or receive on subsequent days.							Living The Print		on,	e locati	am aware that tampering with or intentionally mislabelling the sample	I am aware that ta						
and the second of the second o	se Only	Lab U						110	Time	72			22/23 Til			ed by: (Signa		
		Ø/ N		d on ice:	eiveo				Time		Received by: (Signature)	Rec	22/20	Date	tyre)	d by: (Signa	Relinquish	
<u>T3</u>	-740404	<u>T2</u>				T1		100	Time	: 12	Received by (Signature)	730 H	22/29	Date:	stural	ad hy Isigha	O Soloh	
70 T1 T2 T3 T3 AVG Temp °C 4				100	Time	23	Received by: (Signature)	Rec	22/23	Date 5	ture)	ed by: (Signa	Relinquish					

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Project	Information	
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Chain of Custody

	4		ecc
Page _	1	_of_	36

Client: Pima Environmental Services Bill To								a Person	La	b Us	e Onl	y		29		TAT			EPA Pr	ogram
Project: Shoft				Attention: Dev			Lab	WO#			Job N	lumb		1D	2D	3D		andard	CWA	SDWA
Project Manager:				Address:			E3	OF	12				0007				- 1	1		DCDA
Address: 5614 N.	Lovingt	on Hwy.		City, State, Zip							Analys	is an	d Meth	od						RCRA
City, State, Zip Ho		1, 88240)	Phone:				5										- 3 12.	State	
Phone: 580-748-1613						3015	8015				0			1			NIMI CO	UT AZ	TX	
Email: tom@pin	naoil.com	<u>n</u>		Pima Project #	205=2		DRO/ORO by 8015	by 8	3021	260	010	Chloride 300.0		S	×	1		X	OI NE	10
Report due by:		T	T			Lab	/ORC	GRO/DRO by	BTEX by 8021	by 8	Metals 6010	ride		00	b S				Remarks	
Sampled Sampled	Matrix	No. of Containers	Sample ID			Number	DRO	GRO	ВТЕ	VOC by 8260	Met	Chlo		верос	верос				Remarks	
10:35-5112/23	2	1	CWZ			11								X	_					
10:40			CW3 CW4			12								1	_					
10:45			EW4			13								11	-					
10:50	1		D1-1			14								1.						
10:55			D1-2'			15								Tag can be seen a		;				
10:00			D1-3			16								To the same						
11:05			D1-4°			17													alterni ^a	
10:10			PWI			18								1						win - n - n - n - n - n - n - n - n - n -
11:15			DWZ			19								1						
11:20 1	1		Dw3			20								1						
Additional Instruc	tions:			B# Z	1165 881		,	4000												
i, (field sampler), attest to date or time of collection	o the validit	y and auther	nicity of this sample.	am aware that tampering with or	r intentionally mislabelling	g the sampl	e locat	ion,			Sample	es requ l in ice	iring therm at an avg t	al preser emp abov	vation r ve 0 but	nust be re less than	6 °C or	on ice the day n subsequent d	they are samp ays.	led or received
Relinguished by: (Signature) Date Time Received by: (Signature) Date Time Lab Use Only																				
Relinquished by: (Signature) Date Time S-22-23 Received by: (Signature) Date 5-22-23 Time Received by: (Signature) Received by: (Signature) Date S-22-23 Time Received by: (Signature) Date S-22-23							3 70	800		11							<u>T3</u>	1		
Andrew	ature)	20	5.22.23 2	400 Recoved by: Sign	mature)	Date 5/23/	23	8	15		AVO	i Ter	np °C_	4						
The second secon	A C. 11.1 C.	el al n	According Ft College			16.000111011910	THE PARTY	313.16	121055	1 84 - 1	poly/p	lastic	c, ag - at	nber g	lass, v	/-VOA	1			
Dinter Samples are of s	canded 30	days after	resalis are reported	unless ether arrangements a	remode. Haandour s	amples wi	liber	ulumu	d to c	lient o	or dispo	วรยย์ เ	of at the	client e	xpens	e. The	repo	rt for the ar	alysis of th	e above
samples is applicable	only to the	se sample:	received by the lab	oratory with this COC. The lia	bility of the laboratory	is limited	to the	amou	nt pai	d for	on the	repor	π.							

Project	Information

Chain of Custody

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Page _	\geq_{of}	

Client: Pi	mo Envi	ronmon	fal Canii	000			Bill To		Lab Use Only				TAT					EPA Pr	rogram				
Project:					Atten	tion: D	Bill To		Lab	WO#			Job N	uml			1D	1D 2D 3		Sta	ndard	CWA	SDWA
Project M	anager.	Tom By	num	6010	Addr				F2	70	13		dos			Ne.		- 1			X		
Address:					1	State, Zip			- Dra				Analys										RCRA
City, State					Phor																1		
Phone: 5			VI, 002-10		Emai				15	8015						1						State	T
Email: t			n		1		7 Am -		y 80	y 80	7	0		0.0			NN					UT AZ	TX
Report du					Pim	a Project#	502-5		RO b	RO by	V 802	826	601	e 30		- 1		¥		-	X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	ijŤ		BGDOC	верос				Remarks	
F1:25	5/12/23	2	1	E1-1				21									X						
11:30				E1-2				22															
11:35				E-1-3			1912-1912	23									1					and the second second	
11:40				E1 -4				24									-						
11:45				EWI				25											;				
11:50				EWZ	2																		
11:55	-	-	1	EW3				27									1	_					
Addition	al Instruc	tions:	_L			BH	21165	881															
1				nticity of this sample.			or intentionally mislab	elling the samp	ole loca	tion,			Sample	es req d in ice	uiring the e at an av	ermal p	p above	0 but l	ess than	6°C on	on ice the da subsequent	y they are sam days.	pled or receive
Relinquish	ed by: (Sign	ature)	Dat	122/23 Time	60	Received by: (S	ignature)	Date 5.28	223	Time	140	00	Rec		d on	ice:	6	DI	lse Or N	100			
	ed by: (Sign		Dat	te Time	730	Received by: (S	ignature) ignature) ignature) ignature)	5.2	2.2	37	Tine (T) T2 T3												
	ed by: (XB)		Day	5.22.23 2	400	Car the	ignature) Mar	5/23	123	Tim	8:15	5	AVO	3 Te	mp °(. 4	1						
1				A STATE OF THE STATE OF				Contain	101 110	mar D	0138	5. 10 -	DOWNE	lasti	c, ag	amb	er gl	ass, v	- VOA				in a b comm
Chierra with	mies are da	Consierl 30	days alter	results are reported	الباتا عصاسا	a manganani.	alemake Hazardo	นะ อนุกฤปในธิวัน	ill be	dian	ed to	dient	or disp	osed	ofatt	te cli	ent ex	cpens	e. The	repor	t for the a	nalysis of th	ie above
somples is	applicable	only to the	ag sample:	received by the la	boratory wit	h this COC. The	liability of the labora	ory is limited	to the	e amo	unt pa	id for	on the	repo	ort.							-	

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	03/20/23 17	:00 (3 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Currer. <u>c</u>	<u>Sourier</u>	
	Il samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted i				Comments	/Decolution
~	i.e, 15 minute hold time, are not included in this disucssi	on.		ı	<u>Comments</u>	Resolution
	urn Around Time (TAT)		7.7		Project Shugart W Fed 2	9 CTR 1 has been
	COC indicate standard TAT, or Expedited TAT?		Yes		_	
Sample C			**		separated into 2 reports of	-
	sample cooler received?		Yes		volume. Workorders are	as follows:
• 1	was cooler received in good condition?		Yes		E305132 & E305133.	
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling /isible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 4	<u>C</u>			
Sample C	ueous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat	• • • • • • • • • • • • • • • • • • • •	ners conceted:	103			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
D	ate/Time Collected?		No	l		
C	ollectors name?		No			
	<u>reservation</u>					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA S	Subcontract Lab	: NA	
Client Ir	<u>struction</u>					

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W Fed 29 CTB 1

Work Order: E305133

Job Number: 01058-0007

Received: 5/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/26/23

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

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

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

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

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

Date Reported: 5/26/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Shugart W Fed 29 CTB 1

Workorder: E305133

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

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
C1 - 1'	6
C1 - 2'	7
C1 - 3'	8
C2 - 1'	9
C2 - 2'	10
C2 - 3'	11
C3 - 1'	12
C3 - 2'	13
C3 - 3'	14
CW1	15
CW2	16
CW3	17
CW4	18
D1 - 1'	19
D1 - 2'	20
D1 - 3'	21
D1 - 4'	22
DW1	23
DW2	24
DW3	25

Table of Contents (continued)

	E1 - 1'	26
	E1 - 2'	27
	E1 - 3'	28
	E1 - 4'	29
	EW1	30
	EW2	31
	EW3	32
Q	C Summary Data	33
	QC - Volatile Organic Compounds by EPA 8260B	33
	QC - Volatile Organics by EPA 8021B	34
	QC - Nonhalogenated Organics by EPA 8015D - GRO	35
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	37
	QC - Anions by EPA 300.0/9056A	39
D	efinitions and Notes	41
С	hain of Custody etc.	42

Sample Summary

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

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

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

C1 - 1' E305133-01

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



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

C1 - 2'

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



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

C1 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	1.33	0.125	5	05/23/23	05/24/23	
Toluene	ND	0.125	5	05/23/23	05/24/23	
o-Xylene	1.38	0.125	5	05/23/23	05/24/23	
p,m-Xylene	3.86	0.250	5	05/23/23	05/24/23	
Total Xylenes	5.24	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2321033	
Gasoline Range Organics (C6-C10)	236	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	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	
Surrogate: n-Nonane		136 %	50-200	05/23/23	05/24/23	
A L EDA 200 0/005 (A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Anions by EPA 300.0/9056A						



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

C2 - 1'

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



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

C2 - 2'

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



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

C2 - 3'

	ъ				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
ND	0.125	5	05/23/23	05/24/23	
2.27	0.125	5	05/23/23	05/24/23	
ND	0.125	5	05/23/23	05/24/23	
1.88	0.125	5	05/23/23	05/24/23	
5.18	0.250	5	05/23/23	05/24/23	
7.06	0.125	5	05/23/23	05/24/23	
	101 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
291	100	5	05/23/23	05/24/23	
	98.7 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2321042
6330	1250	50	05/23/23	05/24/23	
ND	2500	50	05/23/23	05/24/23	
	146 %	50-200	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
mg/Kg	88				
	ND 2.27 ND 1.88 5.18 7.06 mg/kg 291 mg/kg 6330 ND	Result Limit mg/kg mg/kg ND 0.125 2.27 0.125 ND 0.125 1.88 0.125 5.18 0.250 7.06 0.125 101 % mg/kg mg/kg 291 100 98.7 % mg/kg mg/kg mg/kg 6330 1250 ND 2500 146 %	mg/kg mg/kg Analys ND 0.125 5 2.27 0.125 5 ND 0.125 5 1.88 0.125 5 5.18 0.250 5 7.06 0.125 5 101% 70-130 mg/kg mg/kg Analys 291 100 5 98.7% 70-130 70-130 mg/kg mg/kg Analys 6330 1250 50 ND 2500 50 146% 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.125 5 05/23/23 2.27 0.125 5 05/23/23 ND 0.125 5 05/23/23 1.88 0.125 5 05/23/23 5.18 0.250 5 05/23/23 7.06 0.125 5 05/23/23 mg/kg mg/kg Analyst: SL 291 100 5 05/23/23 mg/kg mg/kg Analyst: KM 6330 1250 50 05/23/23 ND 2500 50 05/23/23 146 % 50-200 05/23/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.125 5 05/23/23 05/24/23 2.27 0.125 5 05/23/23 05/24/23 ND 0.125 5 05/23/23 05/24/23 1.88 0.125 5 05/23/23 05/24/23 5.18 0.250 5 05/23/23 05/24/23 7.06 0.125 5 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL 291 100 5 05/23/23 05/24/23 mg/kg mg/kg Analyst: KM 6330 1250 50 05/23/23 05/24/23 ND 2500 50 05/23/23 05/24/23 146 % 50-200 05/23/23 05/24/23



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

C3 - 1'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
ND	0.0500	2	05/23/23	05/24/23	
0.814	0.0500	2	05/23/23	05/24/23	
0.266	0.0500	2	05/23/23	05/24/23	
0.718	0.0500	2	05/23/23	05/24/23	
1.87	0.100	2	05/23/23	05/24/23	
2.58	0.0500	2	05/23/23	05/24/23	
	103 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
118	40.0	2	05/23/23	05/24/23	
	96.3 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	t: KM		Batch: 2321042
9090	1250	50	05/23/23	05/24/23	
9090	1230				
3570	2500	50	05/23/23	05/24/23	
		50 50-200	05/23/23 05/23/23		
	2500		05/23/23	05/24/23	Batch: 2321038
	mg/kg ND 0.814 0.266 0.718 1.87 2.58 mg/kg 118	Result Limit mg/kg mg/kg ND 0.0500 0.814 0.0500 0.266 0.0500 0.718 0.0500 1.87 0.100 2.58 0.0500 103 % mg/kg mg/kg 118 40.0 96.3 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analys ND 0.0500 2 0.814 0.0500 2 0.266 0.0500 2 0.718 0.0500 2 1.87 0.100 2 2.58 0.0500 2 103 % 70-130 mg/kg mg/kg Analys 118 40.0 2 96.3 % 70-130 mg/kg mg/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 0.814 0.0500 2 05/23/23 0.266 0.0500 2 05/23/23 0.718 0.0500 2 05/23/23 1.87 0.100 2 05/23/23 2.58 0.0500 2 05/23/23 mg/kg mg/kg Analyst: SL 118 40.0 2 05/23/23 mg/kg 70-130 05/23/23 mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 05/24/23 0.814 0.0500 2 05/23/23 05/24/23 0.266 0.0500 2 05/23/23 05/24/23 0.718 0.0500 2 05/23/23 05/24/23 1.87 0.100 2 05/23/23 05/24/23 2.58 0.0500 2 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL 118 40.0 2 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL



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

C3 - 2'

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



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

C3 - 3'

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



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

CW1

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



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

CW2

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



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

CW3

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



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

CW4

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



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

D1 - 1' E305133-14

		E305133-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	2.15	0.125	5	05/23/23	05/24/23	
Toluene	0.709	0.125	5	05/23/23	05/24/23	
o-Xylene	1.95	0.125	5	05/23/23	05/24/23	
p,m-Xylene	5.35	0.250	5	05/23/23	05/24/23	
Total Xylenes	7.30	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	278	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	9610	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	3530	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		120 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	22.7	20.0	1	05/23/23	05/24/23	



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

D1 - 2' E305133-15

		L505155 15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Benzene	ND	0.125	5	05/23/23	05/24/23	
Ethylbenzene	0.318	0.125	5	05/23/23	05/24/23	
oluene	0.222	0.125	5	05/23/23	05/24/23	
-Xylene	0.692	0.125	5	05/23/23	05/24/23	
o,m-Xylene	0.404	0.250	5	05/23/23	05/24/23	
Total Xylenes	1.10	0.125	5	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	ND	100	5	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	5190	1250	50	05/23/23	05/24/23	
Oil Range Organics (C28-C36)	ND	2500	50	05/23/23	05/24/23	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2321038
Chloride	ND	20.0	1	05/23/23	05/24/23	



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

D1 - 3' E305133-16

	1505155 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
ND	0.0500	2	05/23/23	05/24/23	
1.86	0.0500	2	05/23/23	05/24/23	
0.0502	0.0500	2	05/23/23	05/24/23	
1.50	0.0500	2	05/23/23	05/24/23	
4.08	0.100	2	05/23/23	05/24/23	
5.58	0.0500	2	05/23/23	05/24/23	
	98.1 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: SL		Batch: 2321033
206	40.0	2	05/23/23	05/24/23	
	107 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2321042
7830	1250	50	05/23/23	05/25/23	
ND	2500	50	05/23/23	05/25/23	
	145 %	50-200	05/23/23	05/25/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2321038
46.7	20.0	1	05/23/23	05/24/23	·
	mg/kg ND 1.86 0.0502 1.50 4.08 5.58 mg/kg 206 mg/kg 7830 ND	Result Limit mg/kg mg/kg ND 0.0500 1.86 0.0500 0.0502 0.0500 1.50 0.0500 4.08 0.100 5.58 0.0500 98.1 % mg/kg mg/kg mg/kg 206 40.0 107 % mg/kg mg/kg mg/kg ND 2500 145 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0500 2 1.86 0.0500 2 0.0502 0.0500 2 1.50 0.0500 2 4.08 0.100 2 5.58 0.0500 2 98.1 % 70-130 mg/kg mg/kg Analys 206 40.0 2 107 % 70-130 70-130 mg/kg mg/kg Analys 7830 1250 50 ND 2500 50 145 % 50-200 mg/kg mg/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 1.86 0.0500 2 05/23/23 0.0502 0.0500 2 05/23/23 1.50 0.0500 2 05/23/23 4.08 0.100 2 05/23/23 5.58 0.0500 2 05/23/23 mg/kg mg/kg Analyst: SL 206 40.0 2 05/23/23 mg/kg mg/kg Analyst: KM 7830 1250 50 05/23/23 ND 2500 50 05/23/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0500 2 05/23/23 05/24/23 1.86 0.0500 2 05/23/23 05/24/23 0.0502 0.0500 2 05/23/23 05/24/23 1.50 0.0500 2 05/23/23 05/24/23 4.08 0.100 2 05/23/23 05/24/23 5.58 0.0500 2 05/23/23 05/24/23 98.1 % 70-130 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL 206 40.0 2 05/23/23 05/24/23 mg/kg mg/kg Analyst: KM 7830 1250 50 05/23/23 05/25/23 ND 2500 50 05/23/23 05/25/23 mg/kg mg/kg Analyst: BA

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

D1 - 4' E305133-17

Result	Reporting Limit				
		Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
ND	0.0250	1	05/23/23	05/24/23	
1.32	0.0250	1	05/23/23	05/24/23	
0.0274	0.0250	1	05/23/23	05/24/23	
1.29	0.0250	1	05/23/23	05/24/23	
3.08	0.0500	1	05/23/23	05/24/23	
4.37	0.0250	1	05/23/23	05/24/23	
	100 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	t: SL		Batch: 2321033
157	20.0	1	05/23/23	05/24/23	
	112 %	70-130	05/23/23	05/24/23	
mg/kg	mg/kg	Analys	t: KM		Batch: 2321042
7050	1250	50	05/23/23	05/25/23	
ND	2500	50	05/23/23	05/25/23	
	143 %	50-200	05/23/23	05/25/23	
mg/kg	mg/kg	Analys	t: BA		Batch: 2321038
36.7	20.0	1	05/23/23	05/24/23	
	ND 1.32 0.0274 1.29 3.08 4.37 mg/kg 157 mg/kg 7050 ND	ND 0.0250 1.32 0.0250 0.0274 0.0250 1.29 0.0250 3.08 0.0500 4.37 0.0250 100 % mg/kg mg/kg 157 20.0 112 % mg/kg mg/kg 7050 1250 ND 2500 143 % mg/kg mg/kg	ND 0.0250 1 1.32 0.0250 1 0.0274 0.0250 1 1.29 0.0250 1 3.08 0.0500 1 4.37 0.0250 1 100% 70-130 mg/kg mg/kg Analys 157 20.0 1 112% 70-130 mg/kg mg/kg Analys 7050 1250 50 ND 2500 50 143% 50-200 mg/kg mg/kg Analys	ND 0.0250 1 05/23/23 1.32 0.0250 1 05/23/23 0.0274 0.0250 1 05/23/23 1.29 0.0250 1 05/23/23 3.08 0.0500 1 05/23/23 4.37 0.0250 1 05/23/23 100% 70-130 05/23/23 mg/kg mg/kg Analyst: SL 157 20.0 1 05/23/23 112% 70-130 05/23/23 mg/kg mg/kg Analyst: KM 7050 1250 50 05/23/23 ND 2500 50 05/23/23 mg/kg mg/kg Analyst: BA	ND 0.0250 1 05/23/23 05/24/23 1.32 0.0250 1 05/23/23 05/24/23 0.0274 0.0250 1 05/23/23 05/24/23 1.29 0.0250 1 05/23/23 05/24/23 3.08 0.0500 1 05/23/23 05/24/23 4.37 0.0250 1 05/23/23 05/24/23 100% 70-130 05/23/23 05/24/23 mg/kg mg/kg Analyst: SL 157 20.0 1 05/23/23 05/24/23 112% 70-130 05/23/23 05/24/23 mg/kg mg/kg Analyst: KM 7050 1250 50 05/23/23 05/24/23 ND 2500 50 05/23/23 05/25/23 ND 2500 50 05/23/23 05/25/23 mg/kg mg/kg Analyst: BA



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

DW1

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2321033
Benzene	ND	0.0250	1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250	1	05/23/23	05/24/23	
Toluene	ND	0.0250	1	05/23/23	05/24/23	
o-Xylene	ND	0.0250	1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500	1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	1	05/23/23	05/24/23	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2321033
Gasoline Range Organics (C6-C10)	20.1	20.0	1	05/23/23	05/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/23/23	05/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2321042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/23	05/25/23	
Surrogate: n-Nonane		109 %	50-200	05/23/23	05/25/23	
Aniona by EDA 200 0/0056 A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2321038
Anions by EPA 300.0/9056A						



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

DW2

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



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

DW3

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



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

E1 - 1' E305133-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		/st: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	Batch. 2321021
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	Analy	vst: 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	Analy	vst: 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	Analy	vst: BA		Batch: 2321037
Chloride	28.5	20.0	1	05/23/23	05/24/23	



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

E1 - 2' E305133-22

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

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

E1 - 3' E305133-23

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg Analysi		nalyst: 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	Ai	nalyst: BA		Batch: 2321037
-		20.0		05/23/23	05/24/23	

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

E1 - 4' E305133-24

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2321021
Benzene	ND	0.0500	2	05/23/23	05/25/23	
Ethylbenzene	0.718	0.0500	2	05/23/23	05/25/23	
Toluene	0.0920	0.0500	2	05/23/23	05/25/23	
o-Xylene	1.61	0.0500	2	05/23/23	05/25/23	
p,m-Xylene	2.06	0.100	2	05/23/23	05/25/23	
Total Xylenes	3.67	0.0500	2	05/23/23	05/25/23	
Surrogate: Bromofluorobenzene		122 %	70-130	05/23/23	05/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	05/23/23	05/25/23	
Surrogate: Toluene-d8		119 %	70-130	05/23/23	05/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg 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	Anal	yst: BA		Batch: 2321037
-	45.5	20.0		05/23/23	05/24/23	

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

EW1 E305133-25

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



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

EW2 E305133-26

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg mg/kg		Analyst:	SL		Batch: 2321021
Benzene	ND	0.0250		1	05/23/23	05/24/23	
Ethylbenzene	ND	0.0250		1	05/23/23	05/24/23	
Toluene	ND	0.0250		1	05/23/23	05/24/23	
o-Xylene	ND	0.0250		1	05/23/23	05/24/23	
p,m-Xylene	ND	0.0500		1	05/23/23	05/24/23	
Total Xylenes	ND	0.0250	·	1	05/23/23	05/24/23	
Surrogate: Bromofluorobenzene		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	



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

EW3 E305133-27

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



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

atrix Spike Dup (2321021-MSD1)							Prepared: 05/23/23 Analyzed: 05/23/2		
2.50	0.0250	2.50	ND	99.8	48-131	11.5	23		
2.48	0.0250	2.50	ND	99.0	45-135	12.3	27		
2.51	0.0250	2.50	ND	100	48-130	12.4	24		
2.69	0.0250	2.50	ND	108	43-135	11.5	27		
5.34	0.0500	5.00	ND	107	43-135	12.7	27		
8.03	0.0250	7.50	ND	107	43-135	12.3	27		
0.539		0.500		108	70-130				
0.500		0.500		99.9	70-130				
0.526		0.500		105	70-130				
	2.48 2.51 2.69 5.34 8.03 0.539 0.500	2.48 0.0250 2.51 0.0250 2.69 0.0250 5.34 0.0500 8.03 0.0250 0.539 0.500	2.48 0.0250 2.50 2.51 0.0250 2.50 2.69 0.0250 2.50 5.34 0.0500 5.00 8.03 0.0250 7.50 0.539 0.500 0.500 0.500	2.50 0.0250 2.50 ND 2.48 0.0250 2.50 ND 2.51 0.0250 2.50 ND 2.69 0.0250 2.50 ND 5.34 0.0500 5.00 ND 8.03 0.0250 7.50 ND 0.539 0.500 0.500 0.500 0.500 0.500	2.50 0.0250 2.50 ND 99.8 2.48 0.0250 2.50 ND 99.0 2.51 0.0250 2.50 ND 100 2.69 0.0250 2.50 ND 108 5.34 0.0500 5.00 ND 107 8.03 0.0250 7.50 ND 107 0.539 0.500 108 0.500 99.9	2.48 0.0250 2.50 ND 99.0 45-135 2.51 0.0250 2.50 ND 100 48-130 2.69 0.0250 2.50 ND 108 43-135 5.34 0.0500 5.00 ND 107 43-135 8.03 0.0250 7.50 ND 107 43-135 0.539 0.500 108 70-130 0.500 99.9 70-130	2.50 0.0250 2.50 ND 99.8 48-131 11.5 2.48 0.0250 2.50 ND 99.0 45-135 12.3 2.51 0.0250 2.50 ND 100 48-130 12.4 2.69 0.0250 2.50 ND 108 43-135 11.5 5.34 0.0500 5.00 ND 107 43-135 12.7 8.03 0.0250 7.50 ND 107 43-135 12.3 0.539 0.500 108 70-130 0.500 99.9 70-130		

5.00

7.50

0.500

0.500

0.500

0.0500

0.0250

ND

ND

94.0

94.7

109

102

105

43-135

43-135

70-130

70-130

70-130

4.70

7.10

0.546

0.510

0.524



p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

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

50.0

75.0

40.0

0.250

0.125

1.85

2.67

96.3

97.0

98.7

63-131

63-131

70-130

3.07

3.06

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

50.0

75.4

39.5

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

NT11	A	L EDA	0015D	CDO
Nonhalogenated	Organics	DV EPA	るいしつし) -	· (TK()

Analyst: SL

nalyte Result	Result		Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321021-BLK1)							Prepared: 0	5/23/23 Anal	yzed: 05/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2321021-BS2)							Prepared: 0	5/23/23 Anal	yzed: 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:	E305129-2	27	Prepared: 0	5/23/23 Anal	yzed: 05/23/23
Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	1.74	20	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



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

Plains TX, 79355-0247		Project Manager	r: To	m Bynum				5/	26/2023 2:49:17PM
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321033-BLK1)							Prepared: 0:	5/23/23 Ana	lyzed: 05/24/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			
LCS (2321033-BS2)							Prepared: 0:	5/23/23 Ana	lyzed: 05/24/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			
Matrix Spike (2321033-MS2)				Source:	E305133-	01	Prepared: 0	5/23/23 Ana	lyzed: 05/24/23
Gasoline Range Organics (C6-C10)	404	100	250	138	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.4		40.0		95.9	70-130			
Matrix Spike Dup (2321033-MSD2)				Source:	E305133-	01	Prepared: 0	5/23/23 Ana	lyzed: 05/24/23
Gasoline Range Organics (C6-C10)	400	100	250	138	105	70-130	0.990	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	38.5		40.0		96.1	70-130			

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

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



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

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



Matrix Spike Dup (2321037-MSD1)

Chloride

270

QC Summary Data

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

		Anions	by EPA 3	00.0/9056 <i>A</i>	1			A	Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321037-BLK1)							Prepared: 0	5/23/23 Analy	vzed: 05/24/23
	ND	20.0					Tropulou.		200. 00.220
Chloride	110	20.0							
LCS (2321037-BS1)	ND	20.0					Prepared: 0	5/23/23 Analy	vzed: 05/24/23
	248	20.0	250		99.3	90-110	Prepared: 0	5/23/23 Analy	vzed: 05/24/23
LCS (2321037-BS1)			250	Source:	99.3 E305133- 2				vzed: 05/24/23 vzed: 05/24/23

250

20.0

Source: E305133-21

96.6

80-120

2.70

28.5



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

20

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	0	hugart W Fed 1058-0007 om Bynum	29 CTB 1			Reported: 5/26/2023 2:49:17PM				
		Anions	by EPA	300.0/9056 <i>E</i>	\				Analyst: BA			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2321038-BLK1)							Prepared: 0	5/23/23 A	analyzed: 05/24/23			
Chloride	ND	20.0										
LCS (2321038-BS1)							Prepared: 0	5/23/23 A	analyzed: 05/24/23			
Chloride	255	20.0	250		102	90-110						
Matrix Spike (2321038-MS1)				Source:	E305133-0)1	Prepared: 0	5/23/23 A	analyzed: 05/24/23			
Chloride	281	20.0	250	22.7	103	80-120						
Matrix Spike Dup (2321038-MSD1)				Source:	E305133-0)1	Prepared: 0	5/23/23 A	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	
l	PO Box 247	Project Number:	01058-0007	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/23 14:49

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Envi	ronmen	tal Servi	ces		tention: De Vo					La	SALES AND ADDRESS.	e On	distance of the last of		I		TA		EPA F	rogram
Client: Pima Envi Project: Shugal	+ W	Fed. 7	19CTB	At		n		Lab V	WO#	10		Job Number 0/05%-0007				2D	3D	Standard	d CWA	SDWA
Project Manager: Address: 5614 N.					ldress: ty, State, Zip			E3	02	10.				d Metho			1_1			RCRA
City, State, Zip Ho	bbs, NA)		none:										1	1				
Phone: 580-748- Email: tom@pin		m		Er	mail:			8015	8015				0					NMI	State CO UT AZ	TXI
Report due by:	14011.001	11		P	ima Project # 269	5-2		(O by		8021	8260	5010	300.	-	NIN			x		
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID	and the second s	WOLDER EAST-OFFICE CONTROL OF SIZE OF THE		Lab Number	DRO/ORO by	GRO/DRO by	BTEX by	VOC by 8260	Metals 6010	Chlòride 300.0		BGDOC	BGDOC			Page	5
9:45 5/12/23	5	1	CI-	1			1									×				
9:50		1	C1.	ر٢.			2								11					
9:55			CI-	3'		Control of the Contro	3								1					
10:00			C2-				4													
10:05			C2-				5								1					
10:10			C2-	3'		10	6													
10:15			C3-	1			7													
10:20			C3-	2`		**************************************	8								1					
10:75			C3-	3,			9													
10:30			CW			a min getting which have in Authorities	10				ALTERNATION OF				1					
Additional Instruc	tions:				BH 21165	881	· mary market market	. lare and									,	,		
, (field sampler), attest to					e that tampering with or intention Sampled by:	nally mislabelti	ng the sampl	e locatio	n,	e Hajijiya enil	Living mark							ceived on ice the 5 °C on subseque	day they are sam nt days.	pled or receiv
Relinquished by: (Signa			and the second of	ZOO	Received by: (Signature)	As a select of	Date 5.22	23	Time	400	0	Reci	eived	on ice:	-	Lab L	lse On	ly		
Relinquished by: (Signa	ature)	Date	12/23	Time /730	Received by: (Signature)		3-73		Timbo			T1	CIVCO	on icc.	T			T3		
Bullyg ished by: (Sight	ture)	Date	22 22	Time // sa	Received by (Signature)	0.	Date	122	Time	10			i Tem		4	-				

C envirolect

Chain	of	Custod	y
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	4		ecc
Page _	1	of_	26

Client: P	ima Envi	ronmeni	tal Servi	res I	Bill To		T.E.S	Table 1	Li	ab Us	e Only	у	ACT OF			Т	AT		EPA P	rogram
Project:	Shoga	st W.	Fed /	9 CTBI	Attention: Devon		Lab	WOH SOE	12	2	Job N			1D	2D	3D	St	andard	CWA	SDWA
	Nanager:				Address:		E	SOF	S	<u>></u>	0/05	- 8	0007 nd Meth	ood.		1	1	1		RCRA
	5614 N. e, Zip Ho			- by	City, State, Zip Phone:		-	T		1	Allalys	15 61	iu wieti	T	T	4	F			110121
	580-748-		VI. 0024(Email:	-110-1	15	15							1	1			State	
	tom@pin		n				y 80.	y 8015	77	0	0	0.0		Z					UT AZ	TX
Report d	ue by:				Pima Project # 205=2		JRO b	ORO b	oy 80	y 826	\$ 601	de 30			100	1		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	-11	BGDOC	верос				Remarks	
10:35	5/12/23	2	1	CWZ		11								X						
10:40				CW3		12														
10:45				EW4		13											_		anna anna	
10:50				D1-1		14														
10:55				D1-2"		15										;				
10:00				D1-3'		16														
11:05				D1-4°		17													, and the same of	and the first own to the state of the state
10:10				PWI		17														
11:15				DWZ		19													-	
11:20		1		Dw3		20								1						
Addition	nal Instruc	tions:			B# 2116588	37	,													
i, (field sam	ppler), attest to	the validit	y and auther	nicity of this sample. I	am aware that tampering with or intentionally mis gal action. <u>Sampled by:</u>	labelling the samp	le loca	tion,			Sample	in ice	airing then at an avg	nal prese temp abo	ove 0 bu	t less tha	an 6°C o	d on ice the day in subsequent o	they are sam lays.	pled or received
Relinquish	ned by: (Sign	atore)		22/2 Time	Received by: (Signature)	Date		Time	140	0	Rece	eive	d on ic	e:	Lab (Y)/	Use C N	Only			
	ned by: (Sign		Dat	e Time	Received by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature)	5·2	2.7	31	g _c)	11			<u>I</u>	2			T3	- 3. = - 1 1 1 1 1 1 1 1.	
Telippois	Horew	ature)		5.22.23 2	400 (a. Ha Man	- 5/23/	/23	Tim 8	:15		AVG	Tel	mp °C_	4						
To and the same	1 1 N 1 1 1	a cultit on	Elizabi A	Aguague O Other		Contain	erTv	3:50	glas	5, 13 -	poly/p	lasti	c, ag - a	mber	glass,	v - VO	A			
Willey John	indes are of	carded 30	date ales	caelis are reported	sales other arrangements are made. Hasar	doue samples w	III be r	altirm	ed to	client.	or dispo	วรบบ์	of at the	client	expen	se. Th	ie repo	ort for the a	nalysis of th	e above
samples i	a applicable	only to the	se sample:	received by the lab	oratory with this COC. The liability of the labo	ratory is limited	to the	e amoi	unt pa	id for	on the	repo	rt.							

Project	Information
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Chain of Custody

	6	C 8
Page _	\supseteq of	

Cli t- Di	t: Pima Environmental Services Bill To					T		La	h Us	e Onh	,	W. 7.	TAT					EPA Pr		ogram	
	ma envi				Attention: De Yon		Lah	WO#			Job N		er		1D	2D	3D	Sta	ndard	CWA	SDWA
	lanager:			6010	Address:		E2	205	13	3	dos	8-1	200	DE.					X		
	5614 N.				City, State, Zip		-				Analys	is an	d Met	hod			,				RCRA
	e, Zip Ho				Phone:					-								-		CL	
	80-748-				Email:		015	015										-	anal co	State	TX
	om@pin		n		Pima Project # 2.05°-	7	by 80	ογ 8(23	09	9	0.00			Z	×		1	× CO	UT AZ	1X
Report du	ue by:				Plma Project # 203		- ORO	ORO	3y 8G	y 82	s 601	de 3	- 1					-			
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	j†		BGDOC	верос		_		Remarks	
F1:25	5/12/23	2	1	E1-1		21									X						
11:30				E1-2		22															
11:35				E-1-3		23															
11:40				E1 -4°		24									-						
11:45				EWI		25											;				
11:50				EWZ		26															
11:55	-	-	1	EW3		27									1	-					
																1					
							70									1					
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Addition	al Instruc	ctions:	_ L		B# 2116	5881															
i, (field sam	pler), attest t	o the validit	y and auther	nticity of this sample. I	om aware that tampering with or intentionall gal action. Sampled by:	ly mislabelling the samp	ple loca	tion,			Sample	es requ d in ice	uiring the at an av	g tem	preserv p above	ration n e 0 but	nust be re less than	6 °C on	on ice the da subsequent	y they are sam days.	pled or receiv
Relinquish	ed by: (Sign	ature)	Dat	127/23 Time	Received by: (Signature)		223	Time	140	00	Rec	eive	d on	ice:	1	DI	Use Oi N	30 1			
	ed by: (Sign		Dat	te Time	730 Regerved by: (Signature)	50 5.2	2.2	3 7	Pa	0	T1				<u>T2</u>				<u>T3</u>		
MAN	ed by: (Ago	Mature)	Dat	5.22.23 2	Received by: (Signature) Hildren Mys. Received by (Signature) Received by (Signature) Auth Mos.	22 5/3	123	Time	7:15	5	AVO	5 Te	mp°(. 4	1						
-				A CONTRACTOR OF THE PARTY OF TH		Contair	por Tu	mar D.	Mag	5 17 -	DOWNE	lasti	C. 3E -	ami	pergl	lass, 1	v - VOA	1		1 2 - 611	a abaye
News with	mies are da	Constell 30	days aires	resolts are reported	unless other arrangements are made.	ladardous sumples v	vill be	dish	ed to t	client	or disp	osed	of at t	te cli	ent ex	xpens	e. The	repor	rt for the a	nalysis of th	e above
satupies is	applicable	only to the	sg sample:	received by the lab	oratory with this COC. The liability of the	alaboratory is limited	to the	e amou	int pa	id for	on the	repo	rt.				-		-	f701	-

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

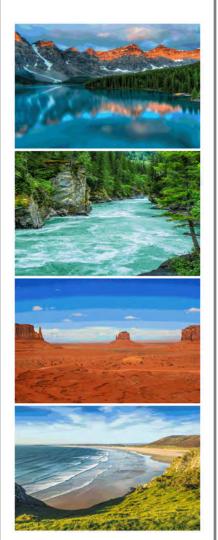
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/23 0	8:15	Work O	rder ID:	E305133
Phone:	(575) 631-6977	Date Logged In:	05/22/23 1		Logged		Caitlin Mars
Email:	tom@pimaoil.com	Due Date:		7:00 (3 day TAT)	Logged	m by.	Cattill Wats
Linuii.	tomespinaton.com	Due Baie.	03/20/23 1	7.00 (3 day 1111)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time?	-	Yes				
	Note: Analysis, such as pH which should be conducted in	•			C	ommen	ts/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssi	on.		ı		<u> </u>	157 X 10 50 X 10 10 10 10 10 10 10 10 10 10 10 10 10
	Curn Around Time (TAT) • COC indicate standard TAT, or Expedited TAT?		Yes		Project Shugart V	V Fed	29 CTB 1 has been
Sample C	•		103		separated into 2 r		
	sample cooler received?		Yes		volume. Workord	-	=
	was cooler received in good condition?		Yes				e as follows.
•	e sample(s) received intact, i.e., not broken?		Yes		E305132 & E305	133.	
	custody/security seals present?						
	were custody/security seals intact?		No				
•	• •	: - (0) 20C	NA				
12. was in	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar		Yes				
	minutes of sampling						
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum info	ormation:	V				
	ample ID? ate/Time Collected?		Yes No				
	ollectors name?		No				
Sample F	reservation_		- 10				
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	nstruction						

Date

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

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/23

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

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

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

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

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

Date Reported: 6/7/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001

Workorder: E306002

Date Received: 6/1/2023 8:45:00AM

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Rayny Hagan
Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - 6'	5
S1 - 7'	6
S2 - 7'	7
S2 - 8'	8
S3 - 6'	9
S3 - 8'	10
S4 - 6'	11
S4 - 7'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.



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

S1 - 6' E306002-01

	E300002-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	llyst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	92.9 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Ana	llyst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	92.4 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322051
ND	50.0	2	06/02/23	06/03/23	
ND	100	2	06/02/23	06/03/23	
	100 %	50-200	06/02/23	06/03/23	
mg/kg	mg/kg	Ana	llyst: BA		Batch: 2323005
ND	20.0	1	06/05/23	06/05/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 92.9 % mg/kg mg/kg mg/kg ND 20.0 92.4 % mg/kg ND 50.0 ND 100 100 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 92.9 % 70-130 70-130 mg/kg mg/kg Ana ND 20.0 1 92.4 % 70-130 mg/kg mg/kg Ana ND 50.0 2 ND 100 2 100 % 50-200 1 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0500 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 mg/kg mg/kg Analyst: SL ND 20.0 1 06/01/23 mg/kg mg/kg Analyst: JL ND 50.0 2 06/02/23 ND 100 2 06/02/23 ND 100 2 06/02/23 ND 50-200 06/02/23 mg/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0500 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 mg/kg mg/kg Analyst: SL ND 06/02/23 mg/kg mg/kg Analyst: SL ND 06/02/23 mg/kg mg/kg Analyst: JL ND 50.0 2 06/02/23 06/03/23 ND 50.0 2 06/02/23 06/03/23 06/03/23 ND 100 2 06/02/23 06/03/23 ND 50.2 06/02/23 06/02/23 06/03/23 ND



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

S1 - 7'

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



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

S2 - 7'

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



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

S2 - 8'

		200002 0.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		97.8 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S3 - 6'

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2322039
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
ND	0.0500	1	06/01/23	06/02/23	
ND	0.0250	1	06/01/23	06/02/23	
	94.0 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2322039
ND	20.0	1	06/01/23	06/02/23	
	95.1 %	70-130	06/01/23	06/02/23	
mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2322051
ND	25.0	1	06/02/23	06/03/23	
ND	50.0	1	06/02/23	06/03/23	
	101 %	50-200	06/02/23	06/03/23	
mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2323005
ND	20.0	1	06/05/23	06/05/23	
•	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 IOI % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Ar ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Ar ND 20.0 1 MB/kg mg/kg Ar ND 25.0 1 ND 50.0 1 101 % 50-200 mg/kg mg/kg Ar	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0250 1 06/01/23 ND 0.0500 1 06/01/23 ND 0.0250 1 06/01/23 mg/kg mg/kg Analyst: SL ND 20.0 1 06/01/23 mg/kg mg/kg Analyst: JL ND 25.0 1 06/02/23 ND 50.0 1 06/02/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0500 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 ND 0.0250 1 06/01/23 06/02/23 mg/kg mg/kg Analyst: SL ND 20.0 1 06/01/23 06/02/23 mg/kg mg/kg Analyst: SL ND 06/02/23 Mg/kg mg/kg Analyst: JL ND 25.0 1 06/02/23 06/03/23 ND 25.0 1 06/02/23 06/03/23 06/03/23 ND 50.0 1 06/02/23 06/03/23 ND 50.0 1 06/02/23 06/03/23 <tr< td=""></tr<>



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

S3 - 8'

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



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

S4 - 6'

		E306002-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		118 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S4 - 7'

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



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

61-130

63-131

63-131

63-131

70-130

18.1

18.4

18.0

18.1

20

20

20

20



5.16

5.14

10.2

15.4

7.47

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

103

103

102

102

93.4

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Pima Environmental Services-CarlsbadProject Name:West Shugart 29 Fed. #001Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/7/2023 3:22:28PM

Nonhalogenated	Organice	by FDA	2015D	CPO
Monnaiogenateu	Organics	DyELA	OUISD .	GINO

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

Result	Liiiit	Level	Result	Rec	Lillits	KI D	Liiiit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/01/23 A	nalyzed: 06/01/23
ND	20.0							
7.45		8.00		93.1	70-130			
						Prepared: 0	6/01/23 A	nalyzed: 06/01/23
45.4	20.0	50.0		90.7	70-130			
7.60		8.00		95.0	70-130			
			Source:	E306001-0	02	Prepared: 0	6/01/23 A	nalyzed: 06/02/23
45.1	20.0	50.0	ND	90.3	70-130			
7.66		8.00		95.8	70-130			
			Source:	E306001-0	02	Prepared: 0	6/01/23 A	nalyzed: 06/01/23
42.0	20.0	50.0	ND	84.0	70-130	7.19	20	
7.46		8.00		93.3	70-130			
	MD 7.45 45.4 7.60 45.1 7.66 42.0	Mg/kg mg/kg ND 20.0 7.45 45.4 20.0 7.60 45.1 20.0 7.66 42.0 20.0	MD 20.0 7.45 8.00 45.4 20.0 50.0 7.60 8.00 45.1 20.0 50.0 7.66 8.00 42.0 20.0 50.0	mg/kg mg/kg mg/kg mg/kg ND 20.0	mg/kg mg/kg mg/kg mg/kg % ND 20.0 8.00 93.1 45.4 20.0 50.0 90.7 7.60 8.00 95.0 Source: E306001-4 45.1 20.0 50.0 ND 90.3 7.66 8.00 95.8 Source: E306001-4 42.0 20.0 50.0 ND 84.0	mg/kg mg/kg mg/kg mg/kg % % ND 20.0 8.00 93.1 70-130 45.4 20.0 50.0 90.7 70-130 7.60 8.00 95.0 70-130 Source: E306001-02 45.1 20.0 50.0 ND 90.3 70-130 7.66 8.00 95.8 70-130 Source: E306001-02 42.0 20.0 50.0 ND 84.0 70-130	mg/kg mg/kg mg/kg mg/kg % % % ND 20.0 Prepared: 0 7.45 8.00 93.1 70-130 Prepared: 0 45.4 20.0 50.0 90.7 70-130 7.60 8.00 95.0 70-130 Source: E306001-02 Prepared: 0 45.1 20.0 50.0 ND 90.3 70-130 7.66 8.00 95.8 70-130 Source: E306001-02 Prepared: 0 42.0 20.0 50.0 ND 84.0 70-130 7.19	mg/kg mg/kg mg/kg mg/kg % % % % % % Prepared: 06/01/23 A ND 20.0 7.45 8.00 93.1 70-130 Prepared: 06/01/23 A 45.4 20.0 50.0 90.7 70-130 7.60 8.00 95.0 70-130 Source: E306001-02 Prepared: 06/01/23 A 45.1 20.0 50.0 ND 90.3 70-130 7.66 8.00 95.8 70-130 Source: E306001-02 Prepared: 06/01/23 A 42.0 20.0 50.0 ND 84.0 70-130 7.19 20



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

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



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(West Shugart 29 01058-0007 Tom Bynum	Fed. #001				Reported: 6/7/2023 3:22:28PM
		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 Limi %	
Blank (2323005-BLK1)							Prepared:	06/05/23	Analyzed: 06/05/23
Chloride	ND	20.0							
LCS (2323005-BS1)							Prepared:	06/05/23	Analyzed: 06/05/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2323005-MS1)				Source: 1	E306003-0	1	Prepared:	06/05/23	Analyzed: 06/07/23
Chloride	271	200	250	ND	109	80-120			
Matrix Spike Dup (2323005-MSD1)				Source: 1	E306003-0	1	Prepared:	06/05/23	Analyzed: 06/07/23
Chloride	342	200	250	ND	137	80-120	23.1	20	M5

QC Summary Report Comment:

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



Definitions and Notes

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

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

accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Chain of Custody

	1	1
Page _	10	f_(

Client: P	ma Envi	ronmen	tal Servi	ces	Bill To	TV.			La	ab Us	e On	ly	242.76.50			TA	T	EPA P	rogram
				Fed. #001	Attention: Devon		E 306 005 002 100 Number			1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. Address: City, State, Zip						Es	30U	300								X			
	e, Zip Ho				City, State, Zip						Analy	sis ar	nd Method	1					RCRA
	80-748-		VI. 00240		Phone:				7										
	om@pin		n		Email:		8015	8015				0					NINAL CO.	State UT AZ	TVI
Report du					Pima Project # 1-705 -7	-) by	yd C	3021	260	010	300.0		Z	¥	1 1	X	UT AZ	IX
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 3		верос	BGDOC		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Remarks	
7:00	5/26/23	5	1	51-6		1								7	a				
7:05		1	1	51-7		2								1					
7:10				SZ-7'		3								1					
7:15				SZ-8		4													
7:20				53-6		5													
7:25				53-8'		6													
7:30				54-6		7													
7:35	7	+	1	54-7		8								1					
					Wilder Control of the														Over from
Addition	l Instruct	ions:			B# 21165	001													
				icity of this sample. I a	m aware that tampering with or intentionally mislabe	O I I	elocatio	on,									eived on ice the day t		ed or received
Relinquishe	d by: (Signa	ture)	Date 5	31/23 Time	Received by: (Signature)	Date 5-31-	23	Time	100)	Rece	eived	on ice:		ab U:	se Onl	y		No.
Much	d by: (Signa	und	Date 5	31-25 11		G.y.	13	Time 17	130		T1	(4)		T2			Т3		
Relinquishe	d by: (Signa المار	voc	Date 5	31.23 Time 23	30 Reserved by (Signature)	(d/1/2	3	Time	45		AVG	Tem	ıp°C	4					
				queous, O - Other		Containe	r Type	: g - g	glass,	p - pc	lq/ylc	astic,	ag - ambe	er gla	ss, v -	VOA		(Lecture 1)	
Note: Samp	les are disca	rded 30 da	ays after re	sults are reported u	nless other arrangements are made. Hazardou	samples will	be ret	urned	to clie	ent or	dispo	sed of	at the clie	nt exp	ense.	The re	eport for the ana	lysis of the	above



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/01/23 0	8:45		Work Order ID:	E306002
Phone:	(575) 631-6977	Date Logged In:	06/01/23 0	9:11		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:		7:00 (4 day TAT)		<i>22</i> ,	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)			ſ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			Vac				
	sample cooler received? was cooler received in good condition?		Yes				
• •	G		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	•			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were p	recerved?	No				
	•	reserveu?	No NA				
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	netale?	No				
	•	ictais:	NU				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. II yes,	does the COC specify which phase(s) is to be analy	yzea?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>istruction</u>						
		<u> </u>			<u> </u>		

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

- (3

Date

envirotech Inc.

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed. #001

Work Order: E306002

Job Number: 01058-0007

Received: 6/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/23

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

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

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

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

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

Date Reported: 6/7/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: West Shugart 29 Fed. #001

Workorder: E306002

Date Received: 6/1/2023 8:45:00AM

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

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Table of Contents

Title Page	1				
Cover Page	2				
Table of Contents	3				
Sample Summary	4				
Sample Data	5				
S1 - 6'	5				
S1 - 7'	6				
S2 - 7'	7				
S2 - 8'	8				
S3 - 6'	9				
S3 - 8'	10				
S4 - 6'	11				
S4 - 7'	12				
QC Summary Data	13				
QC - Volatile Organics by EPA 8021B	13				
QC - Nonhalogenated Organics by EPA 8015D - GRO	14				
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15				
QC - Anions by EPA 300.0/9056A	16				
Definitions and Notes					
Chain of Custody etc	18				

Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6'	E306002-01A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S1 - 7'	E306002-02A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 7'	E306002-03A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S2 - 8'	E306002-04A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 6'	E306002-05A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S3 - 8'	E306002-06A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 6'	E306002-07A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.
S4 - 7'	E306002-08A	Soil	05/26/23	06/01/23	Glass Jar, 2 oz.



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

S1 - 6' E306002-01

		E300002-01				
Analysis	Result	Reporting Limit	Dilution	D 1	A	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	50.0	2	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	100	2	06/02/23	06/03/23	
Surrogate: n-Nonane		100 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S1 - 7'

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



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

S2 - 7'

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



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

S2 - 8'

		200002 0.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		97.8 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S3 - 6'

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



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

S3 - 8'

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



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

S4 - 6'

		E306002-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2322039
Benzene	ND	0.0250	1	06/01/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/01/23	06/02/23	
Toluene	ND	0.0250	1	06/01/23	06/02/23	
o-Xylene	ND	0.0250	1	06/01/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/01/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/01/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/01/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2322051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		118 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323005
Chloride	ND	20.0	1	06/05/23	06/05/23	



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

S4 - 7'

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



QC Summary Data

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



61-130

63-131

63-131

63-131

70-130

18.1

18.4

18.0

18.1

20

20

20

20

5.16

5.14

10.2

15.4

7.47

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

103

103

102

102

93.4

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				6	/7/2023 3:22:28PM
	Nor	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322039-BLK1)							Prepared: 0	6/01/23 Ana	lyzed: 06/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS (2322039-BS2)							Prepared: 0	6/01/23 Ana	lyzed: 06/01/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike (2322039-MS2)				Source:	E306001-	02	Prepared: 0	6/01/23 Ana	lyzed: 06/02/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
Matrix Spike Dup (2322039-MSD2)				Source:	E306001-	02	Prepared: 0	6/01/23 Ana	lyzed: 06/01/23
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	7.19	20	

8.00

7.46

93.3

70-130

QC Summary Data

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

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



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		West Shugart 29 01058-0007	Fed. #001				Reported:
Plains TX, 79355-0247		Project Manager:	7	Гот Bynum					6/7/2023 3:22:28PM
		Anions	by EPA	300.0/9056	1				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323005-BLK1)							Prepared:	06/05/23	Analyzed: 06/05/23
Chloride	ND	20.0							
LCS (2323005-BS1)							Prepared:	06/05/23	Analyzed: 06/05/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2323005-MS1)				Source:	E306003-0	1	Prepared:	06/05/23	Analyzed: 06/07/23
Chloride	271	200	250	ND	109	80-120			
Matrix Spike Dup (2323005-MSD1)				Source:	E306003-0	1	Prepared:	06/05/23	Analyzed: 06/07/23
Chloride	342	200	250	ND	137	80-120	23.1	20	M5

QC Summary Report Comment:

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



Definitions and Notes

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

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

accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information
Client: Pima Enviro

Chain of Custody

	1	1
Page _	10	f_(

Client: Pi	ma Envi	ronmen	tal Servi	ces	Bill To	1			La	b Us	e On	ly			TA	ΛŤ.	EPA P	ogram
Project: West Skyant 29 Fed. #001 Project Manager: Tom Bynum		Attention: Devon	1	Lab	WQ#			loh l	Vumber	1D	2D	3D	Standard	CWA	SDWA			
					Address:	4	E	30U	3 <i>0</i> 0	2	dos	F-000-8	-			X		
Address:					City, State, Zip						Analy	sis and Meth	od					RCRA
City, State Phone: 5			<i>I</i> I. 88240)—————————————————————————————————————	Phone:	+										6.113805		
Email: to			n		Email:	+	3015	1015								and a	State	
Report du		14011.001			Pima Project # 1-705 -7	-	by 8	by 8	021	560	10	300.0	Z	×			UT AZ	IX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ Ьу 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC			X	Remarks	
7:00	Slubby	5	1	51-6		1			a.				×	_				
7:05	1	1	1	51-7'		2							1					
7:10	34			SZ-7'		3							1					
7:15				SZ-8		4												
7:20				53-6		5												
7:25				53-8'		6												
7:30				54-6		7												
7:35	7	+	1	54-7		8							4	•				
													-	-	4			de Confede
Additiona	l Instruct	ions:			B# 21165	001							1		lie!			
				icity of this sample. I am	aware that tampering with or intentionally mislabel		locatio	on,								eived on ice the day		ed or received
Relinquished	by: (Signa	ture)	5	31/23 Time 200	Received by: (Signature)	Date 5-31-	23	Time	100		Rece	eived on ice		Lab U	lse On	ly		T THE
Relinquished	000	rend	Date	11-23 Time	Received by: (Signature)	G.y.	13		130		T1		T2			T3		
Relinquished	WN	V60		31.23 Time 23	Reseived by (Signature)	(d) /2	3	Time	45		AVG	Temp °C	4					
Sample Matri	x: S - Soil, Sd	- Solid, Sg - !	Sludge, A - A	queous, O - Other		Containe	т Туре	: g - g	glass, p	o - pc	lq/ylc	astic, ag - am	ber gla	ass, v	- VOA			
Note: Samp	les are disca	arded 30 da	ays after re	sults are reported unl	ess other arrangements are made. Hazardous	samples will	be ret	urned	to clie	nt or	dispo	sed of at the c	ient ex	pense	. The r	eport for the ana	lysis of the	above



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/01/23	08:45		Work Order ID:	E306002
Phone:	(575) 631-6977	Date Logged In:	06/01/23	09:11		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comments	s/Resolution
C1- T	i.e, 15 minute hold time, are not included in this disucssic	on.		Г		<u>comment</u>	<u> </u>
	COC in disease the Lad TAT on Francisco Life 1 TATS		V				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			Vac				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	_			
	reservation		No				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	escived:	NA				
	filteration required and/or requested for dissolved m	retals?	No				
	•		110				
	se Sample Matrix	9	3.7				
	the sample have more than one phase, i.e., multiphase		No				
	does the COC specify which phase(s) is to be analy	zeu?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	NA		
Client In	<u>istruction</u>						

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shugart W 29 Fed 1

Work Order: E306128

Job Number: 01058-0007

Received: 6/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/21/23

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

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

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

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

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

Date Reported: 6/21/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Shugart W 29 Fed 1

Workorder: E306128

Date Received: 6/16/2023 7:35:00AM

Tom Bynum,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Lynn Jai Due

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 5'	6
S2 - 5'	7
S1 - 6'	8
S2 - 6'	9
S3 - 5'	10
S3 - 6'	11
S4 - 5'	12
S4 - 6'	13
C1 - 4'	14
C2 - 4'	15
C1 - 6'	16
C2 - 6'	17
C3 - 4'	18
C3 - 6'	19
D1 - 5'	20
D1 - 6'	21
E1 - 5'	22
E1 - 6'	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO	25
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
QC - Anions by EPA 300.0/9056A	27
Definitions and Notes	28
Chain of Custody etc.	29

Sample Summary

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

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



Chloride

Sample Data

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

S1 - 5'

		E306128-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/16/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/16/23	
Toluene	ND	0.0250	1	06/16/23	06/16/23	
o-Xylene	ND	0.0250	1	06/16/23	06/16/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/16/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/16/23	06/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/20/23	
Surrogate: n-Nonane		112 %	50-200	06/19/23	06/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2325012

20.0

220

06/19/23

06/19/23



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

S2 - 5'

		2000120 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	*		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	Analys	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	Analys	st: 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	Analys	st: BA		Batch: 2325012
Chloride	192	20.0	1	06/19/23	06/19/23	



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

S1 - 6'

		2000120 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		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	Analys	st: 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	Analys	st: BA		Batch: 2325012
Chloride	260	20.0	1	06/19/23	06/19/23	



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

S2 - 6'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: BA		Batch: 2325012
Chloride	56.8	20.0	1	06/19/23	06/19/23	



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

S3 - 5'

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



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

S3 - 6'

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



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

S4 - 5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
p,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/20/23	
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	An	alyst: BA		Batch: 2325012
Chloride	90.9	20.0	1	06/19/23	06/19/23	



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

S4 - 6'

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



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

C1 - 4'

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



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

C2 - 4'

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



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

C1 - 6'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2324063
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0500	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
	95.2 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2324063
ND	20.0	1	06/16/23	06/17/23	
	87.0 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2325018
ND	25.0	1	06/19/23	06/21/23	
ND	50.0	1	06/19/23	06/21/23	
	114 %	50-200	06/19/23	06/21/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2325012
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 25.0 mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 25.2% 70-130 mg/kg mg/kg Ana ND 20.0 1 87.0% 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 114% 50-200 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0500 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/16/23 mg/kg mg/kg Analyst: JL ND 25.0 1 06/16/23 ND 25.0 1 06/19/23 ND 50.0 1 06/19/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/16/23 06/17/23 ND 0.0500 1 06/16/23 06/17/23 ND 0.0250 1 06/16/23 06/17/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/16/23 06/17/23 87.0 % 70-130 06/16/23 06/17/23 mg/kg mg/kg Analyst: JL ND 25.0 1 06/19/23 06/21/23 ND 50.0 1 06/19/23 06/21/23 ND 50.0 1 06/19/23 06/21/23



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

C2 - 6'

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



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

C3 - 4'

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



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

C3 - 6'

E306128-14

	Ranartina				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2324063
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
ND	0.0500	1	06/16/23	06/17/23	
ND	0.0250	1	06/16/23	06/17/23	
	94.8 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2324063
ND	20.0	1	06/16/23	06/17/23	
	86.0 %	70-130	06/16/23	06/17/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2325018
ND	25.0	1	06/19/23	06/21/23	
ND	50.0	1	06/19/23	06/21/23	
	108 %	50-200	06/19/23	06/21/23	
	п	Ano	lyst: BA		Batch: 2325012
mg/kg	mg/kg	Alla	Iyst. BA		Batch: 2323012
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mD 94.8 % mg/kg mg/kg ND 20.0 86.0 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 94.8 % 70-130 mg/kg mg/kg Ana ND 20.0 1 86.0 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0250 1 06/16/23 ND 0.0500 1 06/16/23 ND 0.0250 1 06/16/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/16/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/19/23 ND 50.0 1 06/19/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/16/23 06/17/23 ND 0.0250 1 06/16/23 06/17/23 ND 0.0250 1 06/16/23 06/17/23 ND 0.0500 1 06/16/23 06/17/23 ND 0.0250 1 06/16/23 06/17/23 ND 0.0250 1 06/16/23 06/17/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/16/23 06/17/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/19/23 06/21/23 ND 50.0 1 06/19/23 06/21/23



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

D1 - 5'

		E306128-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2324063
Benzene	ND	0.0250	1	06/16/23	06/17/23	
Ethylbenzene	ND	0.0250	1	06/16/23	06/17/23	
Toluene	ND	0.0250	1	06/16/23	06/17/23	
o-Xylene	ND	0.0250	1	06/16/23	06/17/23	
o,m-Xylene	ND	0.0500	1	06/16/23	06/17/23	
Total Xylenes	ND	0.0250	1	06/16/23	06/17/23	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
Surrogate: n-Nonane		110 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2325012
Chloride	1390	20.0	1	06/19/23	06/19/23	



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

D1 - 6'

E306128-16						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	Ana	llyst: IY		Batch: 2324063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/23	06/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	06/16/23	06/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2325018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/21/23	
Surrogate: n-Nonane		110 %	50-200	06/19/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2325012
Chloride	ND	20.0	1	06/19/23	06/19/23	



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

E1 - 5'

E3061	10	1	7
H. 3000 I	/A-		- /

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



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

E1 - 6'

E30		

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



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

10.0

15.0

8.00

0.0500

0.0250

ND

ND

106

106

95.1

63-131

63-131

70-130

15.7

15.7

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.6

15.9

7.61

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				(6/21/2023 5:01:31PM
	Nor	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2324063-BLK1)							Prepared: 0	6/16/23 An	nalyzed: 06/16/23
Gasoline Range Organics (C6-C10)	ND	20.0					Trepureur	0,10,20 111	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			
LCS (2324063-BS2)							Prepared: 0	6/16/23 An	nalyzed: 06/16/23
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			
Matrix Spike (2324063-MS2)				Source:	E306128-	10	Prepared: 0	6/16/23 An	nalyzed: 06/16/23
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
Matrix Spike Dup (2324063-MSD2)				Source:	E306128-	10	Prepared: 0	6/16/23 An	nalyzed: 06/16/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	1.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.4	70-130			

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

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



Pima Environmental Services-Carlsbad		Project Name:		Shugart W 29 F	ed 1		Repo	rted:		
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:				6/21/2023	5:01:31PM			
		Anions	by EPA	300.0/9056	1				Analyst:	BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	N	lotes
Blank (2325012-BLK1)							Prepared: 0	6/19/23	Analyzed: 00	5/19/23
Chloride	ND	20.0								
LCS (2325012-BS1)							Prepared: 0	6/19/23	Analyzed: 00	5/19/23
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2325012-MS1)				Source:	E306128-0)1	Prepared: 0	6/19/23	Analyzed: 06	5/19/23
Chloride	405	20.0	250	220	74.0	80-120				M2
Matrix Spike Dup (2325012-MSD1)				Source:	E306128-0)1	Prepared: 0	6/19/23	Analyzed: 00	5/19/23
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

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

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Prਪ੍ਰੋਵੰct Information
Client: Pima Envir

Chain of Custor	Ιy
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Page	of 2
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Client: Pima Environmental Services Bill To		Lab Use Only TAT									EPA Program				
Project: 5 hugger W 29 Fal Attention: Deus		Lab '	WO#					per CCO 7	1D	2D	3D	Stan	dard	CWA	SDWA
		E3	010	<u> </u>	8	0/0	33-	<u> </u>		\perp					
Address: 5614 N. Lovington Hwy.						Analys	is an	d Meth	<u>od</u>	_			• • •		RCRA
City, State, Zip Hobbs, NM. 88240 Phone:					l							1 1	\$1121.78P		
Phone: 580-748-1613		8015	8015				l	-			Ì		ا ممانه	State	
Report due by: Pima Project # 205-a	2	by 8	å Æ	121	8	ᇹᅵ	8 8	1	Σ	_	.	1	МСО	UT AZ	1X
	$\widehat{}$	8	8)4 8C	y 82	8	e E		1		1	1 12			
Time Date Sampled Sampled Matrix No. of Containers Sample ID	Lab Number	DRO/ORO by	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	
800 6/m/0 5 1 51-5									X	-			·		
805 1 1 2 52-5	2														
810 3 51-6-	3														
815 4 52-6-	4														
820 5 53-5	5														
825 6 53-6	6						i								
870 1 54-5	7		ļ												
835 8 54-6	8														
840 9 61-4	9														
845 10 62.4	10														
Additional Instructions: 4/1/1/21/6588	.)								•	•					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabel	lling the sample	locati	on,					•	•				-		ed or received
date or time of collection is considered fraud and may be grounds for legal action. Sampled by:						packed	in ice	at an avg te	mp abov	re 0 bu	t less tha	n 6°C on su	bsequent day	s.	
Relinquistied by: (Signature) Date Color Color	Date 150	<u> </u>	Time	430	<u> </u>	Poce	ivoc	on ice		Lab Y)/	Use O	Only			
Relinquished by: (Signature) Date Time Received by: (Signature)	Date									יע !	**	1	3		
Relinquished by: (Signature) Date Time Received by: (Signature) 1 HOM May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date OHLO	23	Time 7	3	<u> </u>	AVG	Ten	ոթ °C	4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	77.0	ontainer 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	s samples will	be re	turne	d to cl	ient o	r dispo	sed o	f at the o	lient e	xpens	se. The	e report f	or the anal	ysis of the	above
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laborato	ry is limited to	o the a	mou	nt paid	d for c	n the i	report	t.							



Project Information Chain of Custo											rody Page 2													
Client: Pima Environme	ental Servi	ces	85.43		B	ill To	· · · · · · · · · · · · · · · · · · ·	, i						y		1.e 22.f							gram	
Project:			<u>Atten</u>			and		L	ab W	lO#	7.5		lob N	lymb	en :	1D	2D	3D	Sta	ŋḍard	CN	/A	SDWA	
Project Manager: Tom Address: 5614 N. Lovin			Address: City, State, Zip						Lab WO# 100 N							4.			131	No.			RCRA	
City, State, Zip Hobbs.			Phone:					Analysis and N								od -	1			P. Carlo	<u> </u>		RCRA	
Phone: 580-748-1613			Email:					_	<u>ا</u> ي	<u> </u>				İ		-		1 1		enter de file.	Sta	te		
mail: tom@pimaoil.c	om		Pima Project # 205-2					07 # 205 - 2 S108 Å						8		5	1		ן נ	NM C	UT	AZ	TX	
Report due by:			Pima	Projec	Ct # _	203			ğ	8	8,	978	9	용		Ę		1		A				
Time Date Sampled Matrix	No. of Containers	Sample ID	W. W. A.				Lā (Nun	b ber	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	/ <u>8</u>				Rem	arks		
850 6/4/2 5		C1.	- 6		···																			
900	12	C 2	-6				12																	
905	13	C 3	- 4				13	3																
910	14	C3	- 6				14								i									
915	15	01	- 5				15	-																
920	16	D1 -	- 6				14	9																
525	17	E1-	5	•				7													,			
F30 L	18	EI-	6 -				18					·				K								
Additional Instructions:		Piller	, H	± 2	2//	658	661									•			· · ·					
(field sampler), attest to the valid ate or time of collection is conside	lity and authenti ered fraud and m	city of this sample.	l am aware tha	t tampering	g with or in	ntentionally mi	slabelling the	ample lo	ocation	n,										n ice the da subsequent		sampled	or received	
elingushed by: (Signature)		. / _ Time							2)	Time	13[)	Rec		on ice		lab l	lse Or	nly					
elinquished by: (Signature)	Insta	15.13 Time		eceived b			Date C	15	23	Time	73c	 2	T1			E T	<i>)</i> '			T3				
elinquished by: (Signature) AMM My	So Gate	-16-23 Z		lece ved b		ture) MA	O	\overline{I}		Tima	13	5		Tem	p °C_	4								
omple Matrix: S - Soil, Sd - Solid, S ote: Samples are discarded 30	g - Sludge, A - A	queous, O - Other _					Cont	ainer 1		g-g	lass,	p - po	oly/pl	astic,	ag - ar									

@ envirotech

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/16/23 07	7:35	Work O	rder ID:	E306128
Phone:	(575) 631-6977	Date Logged In:	06/16/23 08	3:58	Logged	In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/22/23 17	7:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	currer. <u>c</u>	Journer		
	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,	<u>C</u>	omment	s/Resolution
	<u>urn Around Time (TAT)</u>				Normale and a Company	: .	1!
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Number of conta		
Sample C					incorrectly on CO	OC who	en received from
	sample cooler received?		Yes		client.		
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature. 4 (<u> </u>				
Sample C			NT-				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	1	NA				
	on-VOC samples collected in the correct containers'		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum info ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	l			
	ollectors name?		No				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	mu?	No				
	subcontract laboratory specified by the client and if	-		Subcontract Lab			
		so who:	INZA (Subcontract Lab	; na		
Client In	<u>istruction</u>						

Date

Received by OCD: 11/26/2024 10:54:50 AM



Page 231 of 258

Client: P	ima Fny	ironment	al Seni		15	20.420	2.4700	E 192	o Del	ha: se	4	-		TA		EDA	rogram			
Project:	Shuga	rf W	29 6	edi	Atte	ntion: Bill To		-	WO#				ly. Vumt		1D	20	3D	Standa	The same of the sa	SDWA
Project N	lanager:	Tom By	num		Add			ES	0	1/2	X	מוח	Ç4.	7000	10	20	30	V	u CWA	JULIA
Address:	5614 N.	Lovingto	on Hwy.		City,	State, Zip		-						Metho	d			16.00	1636	RCRA
City, Stat	e, Zip Ho	obbs. NN	1. 88240		Pho	ne:									T			2		
Phone: 5					• Ema	ail:		13	15		3								State	
Email: 1		naoil.con	n		D:-	- Desired # 705-	1	y 80	y 80	11	0		300.0		5			NM	CO UT AZ	TX
Report de		1			Pin	na Project # 205-		0g	20 b	/ 802	826	6010	6 30	11	N.	¥		70		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab (Number	DRO/ORO by 8015	GRO/DRO by 801	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		Верос	BGDOC		,	Remark	s
850	6/4/2	5	1-11-	01	- 6		111													
900			11/2	C 2	-6		12													
905		•	13	C 3	- 4	,	13													
910			14	C3	- 6		14													
915			15	01	- 5		15													
920			16	DI.	- 6		10													
525			17	E1-	.5		17													
930	1	1	118	EI-	6-		18								X					
Additiona			1	Billen	, 7	# 211658	81		,	47										
date or time	efcollection	s considered	and authenti	city of this sample. nay be grounds for I	I am aware the	nat tampering with or intentionally misla Sampled by:	elling the samp	le locati	ion,			A STATE OF THE PARTY OF THE PAR	NAME OF TAXABLE PARTY.	ALCOHOL: NAME OF THE PARTY OF T				ceived on ice the 5°C on subsequ	e day they are sam ent days.	pled or received
Relinguishe	Date	23	Time	430		Rec	elved	on ice:	100	ab U	se On 1	ly								
Relinquished by: (Signature) Date O 15 13 Time Received by: (Signature) Date O 15 13 Time Received by: (Signature) Date O 15 13 Time Received by: (Signature) Date Time Received by: (Signature) Date Time Date Time Date Time Received by: (Signature) Date Time																				
And	ev o	M VSSC		-16-23 Time	400	Received by Spinature)	- 6/16	23	Time 7	13	5	AVG	Tem	p°C_	4					
Sample Matri	x: 5 - Soil, Sd	- Solid, Sg - S	Sludge, A - A	queous, O - Other_	1							oly/p	lastic,	ag - amt						
Note: Samp	les are disci	arded 30 da	ys after res	sults are reported	unless othe	r arrangements are made. Hazardo	us samples w	Il be re	turne	d to cl	lent o	r dispo	sed of	at the cli	ent ex	pense	. The	report for th	e analysis of th	e above

C envirotech



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



06/04/2024

Analytical Results For:

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

Received: 06/06/2024 Sampling Date:

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: DEVON

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

DTEV 0021D

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM		НМ				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

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

06/12/2024 SWEST SHUGART 29 FEDERAL BATTERY

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

Sampling Date: 06/04/2024

Sampling Type: Soil

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

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

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

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 205-2 Shalyn Rodriguez

Project Location: **DEVON**

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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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)

RTFY 8021R

BIEX 8021B	mg	^и кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	< 0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



06/04/2024

Soil

Analytical Results For:

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

Received: 06/06/2024 Sampling Date:

Reported: 06/12/2024 Sampling Type:

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

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

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2024	ND	175	87.5	200	0.204	
DRO >C10-C28*	<10.0	10.0	06/08/2024	ND	190	94.9	200	6.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

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

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: WEST SHUGA Project Number: 205-2

Project Location: DEVON

Sampling Date: 06/04/2024

Sampling Type: Soil

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

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

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

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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Analytical Results For:

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

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

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

Sample ID: CW 4 (0-4') (H243255-08)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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06/04/2024

Analytical Results For:

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

Received: 06/06/2024 Sampling Date:

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Project Location: DEVON

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

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/06/2024 Sampling Date: Sampling Type: 06/04/2024

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

Sampling Condition:

Soil Cool & Intact

Project Number: Project Location: 205-2 DEVON 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

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

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: WEST:
Project Number: 205-2

Project Location: DEVON

Sampling Date: 06/04/2024

Sampling Type: Soil

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

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	< 0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

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

Reported: 06/12/2024 Sampling Type: Soil

Project Name: WEST SHUGART 29 FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: 205-2 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

Sample ID: DW 4 (0-4') (H243255-12)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952	
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024

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)

Project Name:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	0.300 06/08/2024						
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024 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	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	oluene* <0.050 0.050			ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4							
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		
TPH 8015M	mg/	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8							

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Analytical Results For:

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

Received: 06/06/2024

Sampling Date: 06/04/2024

Sample Received By:

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

Sampling Type: Soil
Sampling Condition: Cool & Intact

Shalyn Rodriguez

Project Number: 205-2 Project Location: DEVON

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene* <0.050 0.050			06/08/2024	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	06/08/2024	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639	
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574	
Total BTEX	<0.300	0.300	06/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 % 49.1-14		8						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 06/06/2024 Reported:

06/12/2024 WEST SHUGART 29 FEDERAL BATTERY

Project Name: Project Number: 205-2 Project Location: **DEVON**

Sampling Date: 06/04/2024

Sampling Type: Soil

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

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

BTEX 8021B	mg/	kg	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/08/2024	ND	1.98	99.0	2.00	2.94		
Toluene*	ne* <0.050 0.050			ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	06/08/2024	ND	2.17	108	2.00	0.639		
Total Xylenes*	<0.150	0.150	06/08/2024	ND	6.67	111	6.00	0.574		
Total BTEX	<0.300	0.300	06/08/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	107 9	71.5-13	4							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2024	ND	432	108	400	3.64		
TPH 8015M	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/07/2024	ND	193	96.6	200	0.952		
DRO >C10-C28*	<10.0	10.0	06/07/2024	ND	216	108	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/07/2024	ND						
Surrogate: 1-Chlorooctane	103 9	48.2-13	4							
Surrogate: 1-Chlorooctadecane	103 % 49.1-14		8							

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name: Pima Environmental Servi	ces	BILL TO		ANALYSIS REQUEST
Project Manager: Gio Gomez		P.O. #:		
Address: 5614 N. Lovington Hwy		Company: Devon		
	zip: 88240	Attn:		
Phone #: 575-964-7740 Fax #:		Address:		
Project Name: West Shugart 29 Fede	: Devon	City:		
Project Name: (1)PS+ Shigart Z9FP+	ral Rattery	State: Zip:		
Project Location:		Phone #:	1 1 1 1	
Sampler Name:		Fax #:	1	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	1 2	
Lab I.D. \$\frac{55}{55} \text{8Fev} \text{2.3U} \text{H} \text{SW} \(\text{(0-4')} \) \text{H} \text{CW} \(\text{(0-4')} \) \text{H} \text{CW} \(\text{(0-4')} \) \text{H} \text{CW} \(\text{(0-4')} \) \text{H} \text{DW} \(\text{(0-4')} \) PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remody for a second contact of the contact of	# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER X SOIL	ACIDIBASE: CE/COOL OTHER: CE/	X BTEX Chlori	
13 SWZ (0-4') 13 SW3 (0-4') 14 SW4 (0-4')		8-31 8-39 8-46		
+6 CW2 (0-4)		8:51		
+8 CW4 (0-4)		9:07		
20 00 00 00		9:34		

Relinquished By:	Pate: QU	Received By:	Phone Result:	
Karime Hame	Timer U20	8 Semilianus	REMARKS: Stanbard	
Relinquished By:	Date:	Received By:	tom @ Pima oil. Com	
	Time:		1817 W Tima O'I, COM	
Delivered By: (Circle One)	3.8.	Sample Condition CHECKED BY: Cool Intact (Initials)	Billing# 21165881	
Sampler - UPS - Bus - Other:	7,02	Cool Intact (Initials)	Dilling#	

Released to Imaging: 12/10/2024 11:29:43 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Servi	ces	3							B	ILL	. TO							AN	ALYS	SIS	RE	QUE	ST		
Project Manager: Gio Gomez							P.C	D. #:									T			T					
Address: 5614 N. Lovington Hwy							Co	mpa	ny:	De	Von										- 1				
city: Hobbs State: NM	Zip	: 8	82	40			Att	Attn:																	
Phone #: 575-964-7740 Fax #:							Ad	dres	ss:															1	
Desirat # 705-7	: T	20	VI	in			Cit	y:																	
Project Name: West Shugart 29 F	P.J.	Pn	21	Bat	ter	V	Sta			Zi	p:														
Project Location:	-	U) 1	4	DV ()	101	1	Ph	one	#:															1	
Sampler Name:							Fa	x #:																	
FOR LAB USE ONLY				M.	TRI	X		PRE	SERV	4	SAMPL	ING				9									
Lab I.D. Sample I.D. 1043049	(C) (G) RAB OR (C) OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	100	SLUDGE	OTHER:	ACID/BASE:	Y ICE/COOL	6	DATE 14/2	TIM 49:4 9:5 10: 10:	6311	HOT HOT	X318 X-1-1	1 / A / And									

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Relinquished By:	Date: 2/1	Received By:	Phone Result: Yes No Add'l Phone #:
1/ 11-0 / 1-11	Time 1/17	on duin and	Fax Result:
I carime House	Time 142X	() Manually	Standard
Relinquished By:	Date:	Received By:	5100000
	Time:		Toma Pima oil. com
	Time:		101100 p1110001 1. COM
Delivered By: (Circle One)	20-	Sample Condition CHECKED BY:	Dillian 1/2 11 5000
Complex LIDS Bus Others	2.0 64	Cool Intact (Initials)	DITING # 211(0588)
Sampler - UPS - Bus - Other:	H	No No	1 01 40001

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

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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 406698

QUESTIONS

ı	Operator:	OGRID:
ı	DEVON ENERGY PRODUCTION COMPANY, LP	6137
ı	333 West Sheridan Ave.	Action Number:
ı	Oklahoma City, OK 73102	406698
ı		Action Type:
ı		[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Location of Release Source							
Please answer all the questions in this group.							
Site Name	WEST SHUGART 29 FEDERAL #001						
Date Release Discovered	03/11/2018						
Surface Owner	Federal						

Incident Details								
Please answer all the questions in this group.								
Incident Type	Produced Water Release							
Did this release result in a fire or is the result of a fire	No							
Did this release result in any injuries	No							
Has this release reached or does it have a reasonable probability of reaching a watercourse	No							
Has this release endangered or does it have a reasonable probability of endangering public health	No							
Has this release substantially damaged or will it substantially damage property or the environment	No							
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No							

erial(s) released, please answer all that apply below. Any calculations or specific justifications	Total the volumes provided should be disabled to the follow up of 141 dubiniosion.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 9 BBL Recovered: 5 BBL Lost: 4 BBL.
s the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 406698

QUESTIONS (continued)
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Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave.	OGRID: 6137 Action Number:	
Oklahoma City, OK 73102	406698	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.	
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of the clease occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/26/2024	

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

QUESTIONS, Page 3

Action 406698

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	406698
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	2470	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33251	
GRO+DRO (EPA SW-846 Method 8015M)	23927	
BTEX (EPA SW-846 Method 8021B or 8260B)	14	
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complete which includes the anticipated timelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	08/05/2024	
On what date will (or did) the final sampling or liner inspection occur	02/01/2025	
On what date will (or was) the remediation complete(d)	02/01/2025	
What is the estimated surface area (in square feet) that will be reclaimed	890	
What is the estimated volume (in cubic yards) that will be reclaimed	168	
What is the estimated surface area (in square feet) that will be remediated	1600	
What is the estimated volume (in cubic yards) that will be remediated	296	
These estimated dates and measurements are recognized to be the best guess or calculation at t	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 406698

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	406698
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 11/26/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

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QUESTIONS, Page 5

Action 406698

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	406698
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 406698

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	406698
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}
Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all	remediation steps have been completed.
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Action 406698

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	406698
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	12/10/2024
bhall	OCD approves the dig and haul remediation plan but based on the age of the data, OCD will not approve the proposed excavation areas and proposed depths found on the included Site map. All areas that are required to be remediated must meet the most stringent closure criteria found on Table I of 19.15.29 NMAC.	12/10/2024
bhall	The areas in the pasture must be reclaimed at time of remediation. A reclamation 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.	12/10/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/10/2024
bhall	The areas in the pasture must be revegetated as early as practicable. A revegetation report will not be accepted until revegetation 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.	12/10/2024
bhall	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.	12/10/2024
bhall	Be advised, this approval is specifically for nAB1808253927 and does not apply to nAPP2313055690.	12/10/2024
bhall	Submit a complete and accurate report through the OCD permitting website by 3/10/2025.	12/10/2024