

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

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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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 6/22/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: *Shelly Wells* Date: 6/23/2023

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional
 Signature: Dale Woodall Date: 6/22/2023
 email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Shelly Wells Date: 6/23/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 11/28/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist



Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

June 12, 2023

Bureau of Land Management
 620 East Green Street
 Carlsbad, NM 88220

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

Re: Site Assessment, Remediation, and Closure Report
Shugart W Fed 29 CTB 1
API No. N/A
GPS: Latitude 32.715643 Longitude -103.894921
UL K, Sec. 29, T18S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2212681299

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a crude oil release that occurred at the Shugart W Fed 29 CTB 1 (Shugart). The initial C-141 was submitted on May 6, 2020 (Appendix C). This incident was assigned Incident ID NAPP2212681299 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Shugart is located approximately twenty-five (25) miles west of Eunice, NM. This spill site is in Unit K, Section 29, Township 18S, Range 31E, Latitude 32.715643 Longitude -103.894921, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of 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 sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Shugart (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 260 feet BGS. The closest waterway is a Salt Playa located approximately 4.43 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2212681299: On April 21, 2022, fluid was released from tube into pasture. The released fluids were calculated to be approximately 1.6 barrels (bbls) of Crude Oil. No fluid was able to be recovered.

Site Assessment and Soil Sampling Results

On September 23, 2022, Pima mobilized personnel to the site to assess the area. Pima sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

9-23-2022 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - WEST SHUGART FED 29 CTB 1									
Sample Date:		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
S-1	1'	ND	ND	ND	ND	ND	0		ND
	3'	ND	ND	ND	ND	ND	0		31.6
	4'	ND	ND	ND	ND	ND	0		ND
S-2	1'	ND	ND	ND	ND	ND	0		ND
	3'	ND	ND	ND	ND	ND	0		ND
	4'	ND	ND	ND	ND	ND	0		ND
S-3	1'	ND	ND	ND	ND	ND	0		ND
	3'	ND	ND	ND	ND	ND	0		ND
	4'	ND	ND	ND	ND	ND	0		ND
S-4	1'	ND	ND	ND	1020	ND	1020		2520
	3'	ND	ND	ND	1680	ND	1680		1990
	4'	0.256	ND	ND	17000	6820	23820.26		5290
	5'	ND	ND	ND	ND	ND	0		ND
S-5	1'	2.15	ND	84.1	19600	6390	26076.25		11000
	3'	1.17	ND	56	8350	2710	11117.17		10300
	4'	0.903	ND	52.9	16100	6430	22583.8		12300
	5'	ND	ND	ND	ND	ND	0		ND
S-6	1'	ND	ND	ND	548	348	896		4400
	3'	ND	ND	ND	728	ND	728		3380
	4'	ND	ND	ND	1430	674	2104		8660
S-6	5'	ND	ND	ND	ND	ND	0		ND
SW 1	6"	ND	ND	ND	ND	ND	0		ND
SW 2	6"	ND	ND	ND	ND	ND	0		ND
SW 3	6"	ND	ND	ND	ND	ND	0		ND
SW 4	6"	ND	ND	ND	ND	ND	0		ND
SW 5	6"	ND	ND	ND	ND	ND	0		ND
SW 6	6"	ND	ND	ND	ND	ND	0		ND
SW 7	6"	ND	ND	ND	ND	ND	0		ND
SW 8	6"	ND	ND	ND	ND	ND	0		ND
SW 9	6"	ND	ND	ND	ND	ND	0		ND
SW 10	6"	ND	ND	ND	ND	ND	0		ND
BG 1	6"	ND	ND	ND	ND	ND	0		ND
BG 2	6"	ND	ND	ND	ND	ND	0		ND

ND- Analyte Not Detected

Remediation Activities

On April 24, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the areas around S-4 through S-6 to various depths averaging 4.5' bgs. Pima personnel collected samples to verify all contaminated soil had been removed. Approximately 68 cubic yards of contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On May 6, 2023, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure

5-6-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - WEST SHUGART FED 29 CTB 1									
Sample Date: 5/6/2023		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
CS 1	4'	ND	ND	ND	ND	ND	0	ND	
CS 2	4'	ND	ND	ND	ND	ND	0	ND	
CSW 1	4'	ND	ND	ND	ND	ND	0	ND	
CSW 2	4'	ND	ND	ND	ND	ND	0	ND	
CSW 3	4'	ND	ND	ND	ND	ND	0	ND	
CSW 4	4'	ND	ND	ND	ND	ND	0	ND	
CSW 5	4'	ND	ND	ND	ND	ND	0	ND	
CSW 6	4'	ND	ND	ND	ND	ND	0	ND	

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2212681299, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

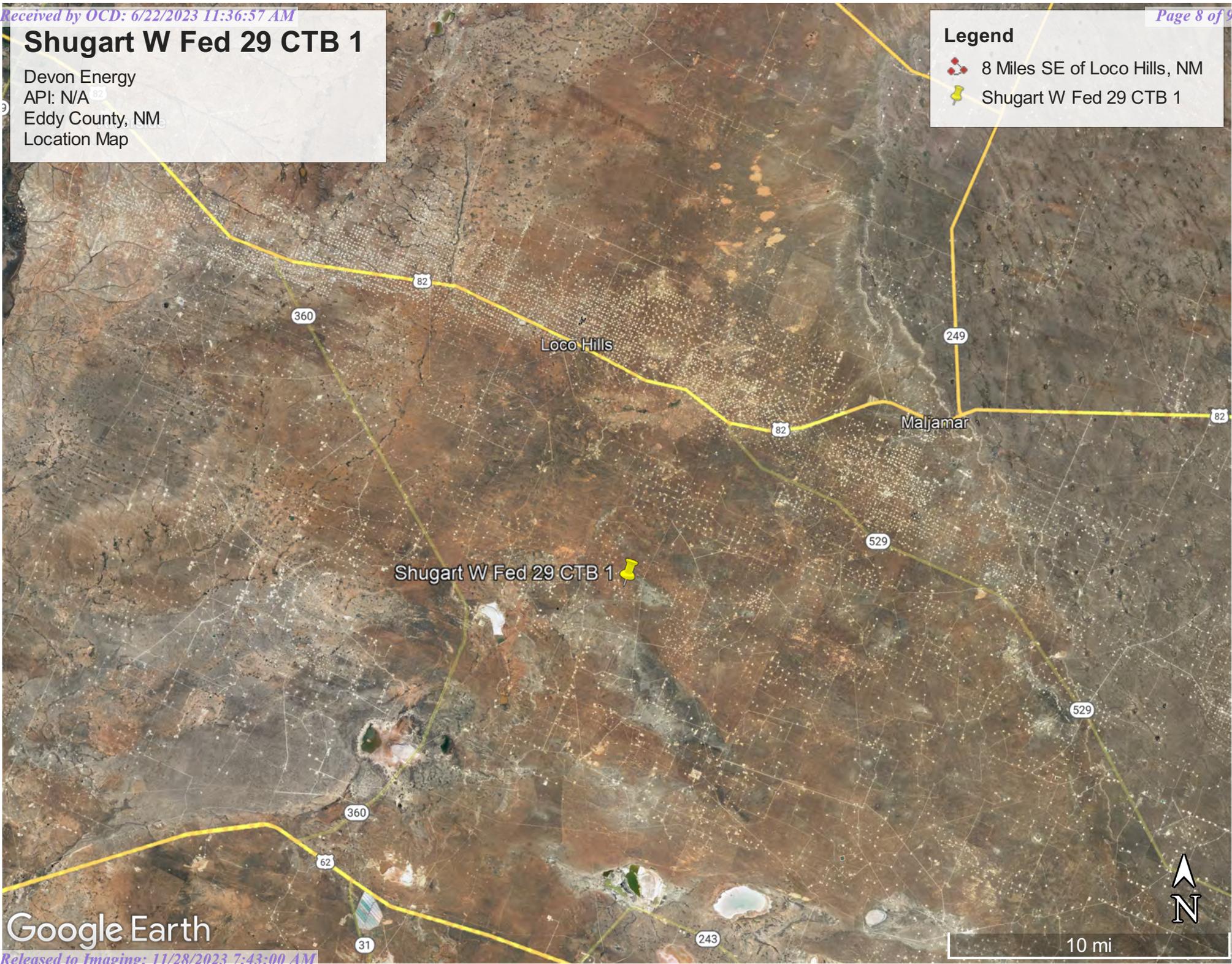
5-Confirmation Sample Map

Shugart W Fed 29 CTB 1

Devon Energy
API: N/A ⁸²
Eddy County, NM
Location Map

Legend

-  8 Miles SE of Loco Hills, NM
-  Shugart W Fed 29 CTB 1



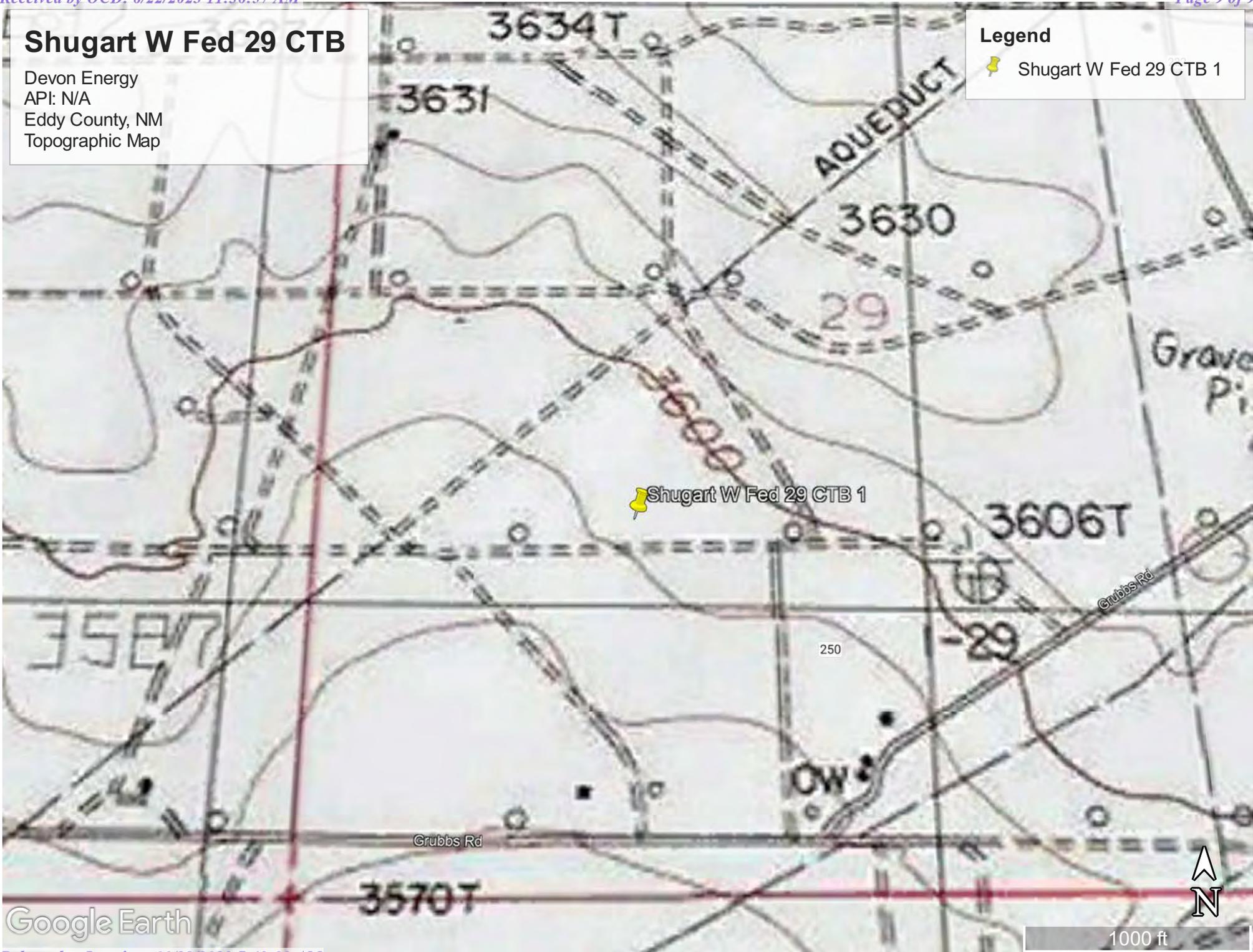
Google Earth

Shugart W Fed 29 CTB

Devon Energy
API: N/A
Eddy County, NM
Topographic Map

Legend

-  Shugart W Fed 29 CTB 1

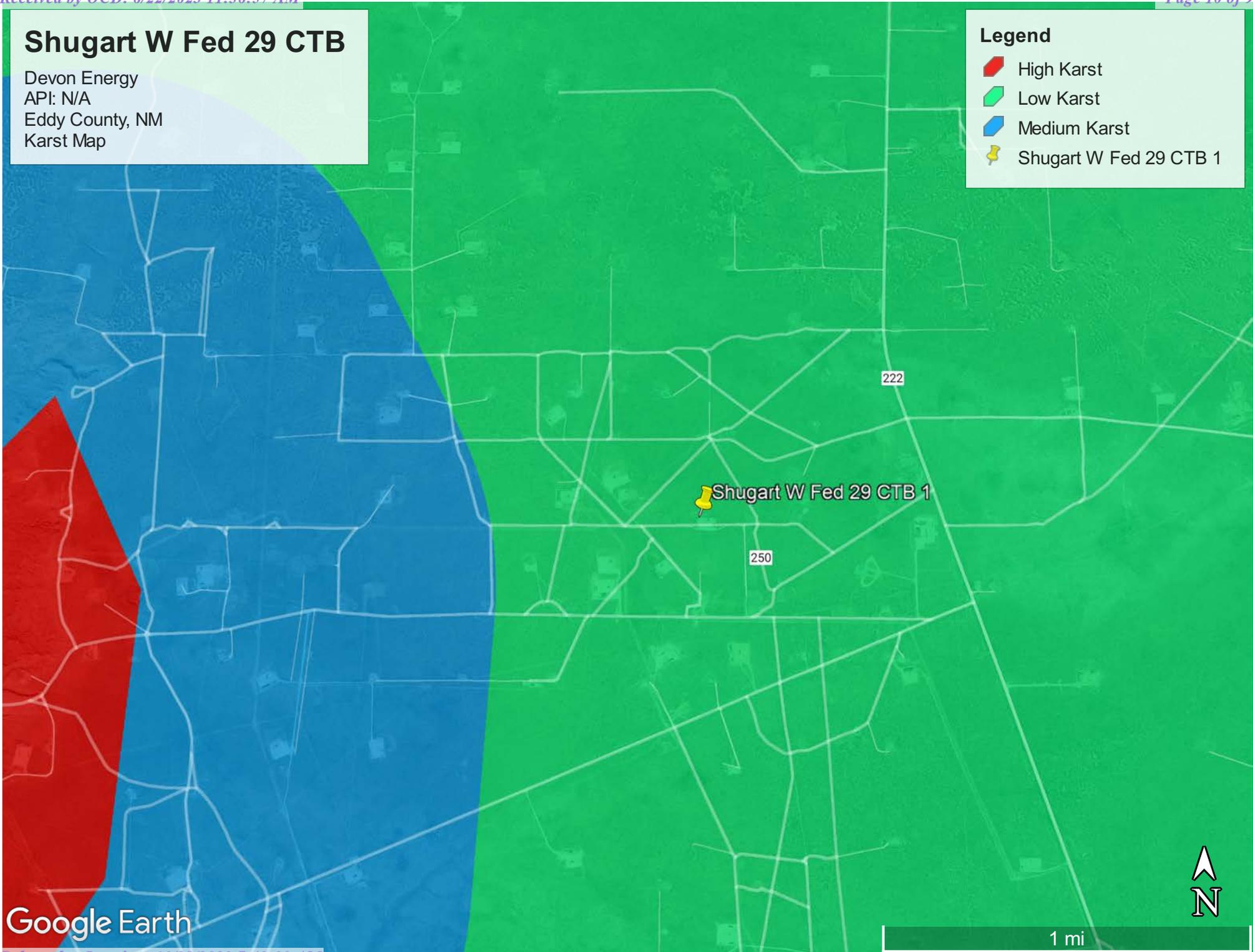


Shugart W Fed 29 CTB

Devon Energy
API: N/A
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Shugart W Fed 29 CTB 1



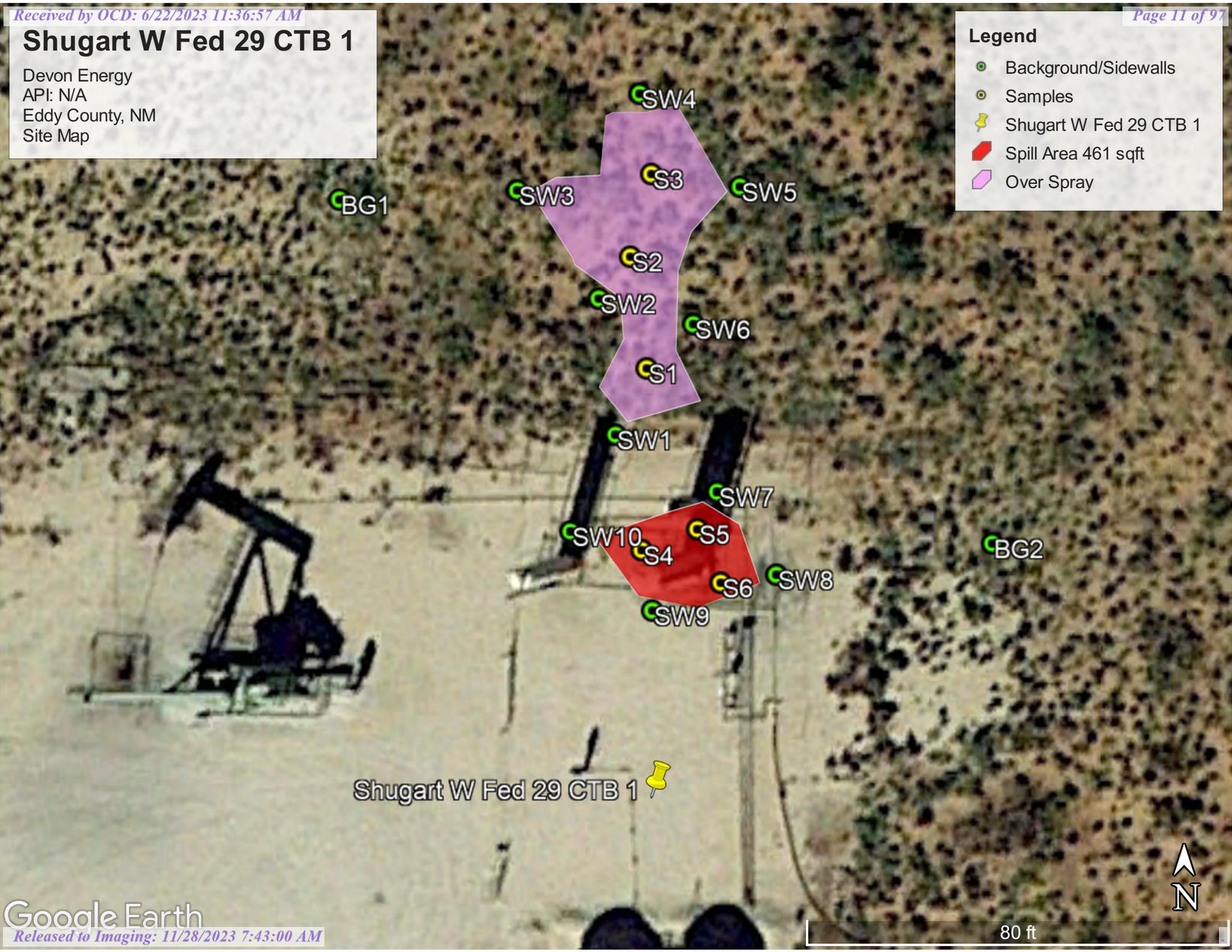
Google Earth

Shugart W Fed 29 CTB 1

Devon Energy
API: N/A
Eddy County, NM
Site Map

Legend

- Background/Sidewalls
- Samples
- 📌 Shugart W Fed 29 CTB 1
- Spill Area 461 sqft
- Over Spray



Shugart W Fed 29 CTB 1 📌

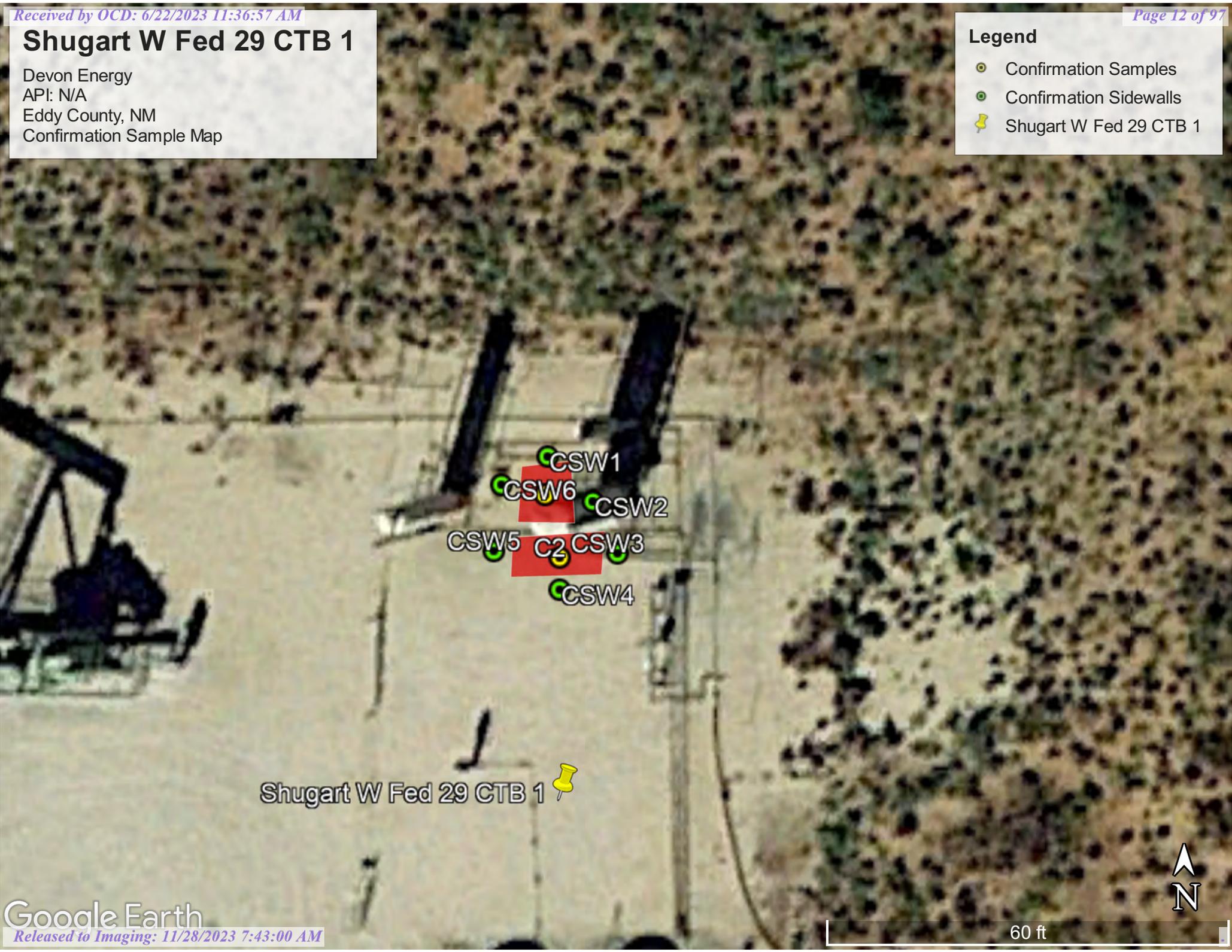


Shugart W Fed 29 CTB 1

Devon Energy
API: N/A
Eddy County, NM
Confirmation Sample Map

Legend

-  Confirmation Samples
-  Confirmation Sidewalls
-  Shugart W Fed 29 CTB 1



Shugart W Fed 29 CTB 1 





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water 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 Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Well Depth	Water Column
CP 00818 POD1		CP	LE	1	4	26	18S	30E		599289	3620364*	4276	240	
CP 00767 POD1		CP	ED	3	2	35	18S	30E		599300	3619158*	4416	500	
CP 00849 POD1		CP	LE	3	1	35	18S	31E		608012	3618757*	4707	300	
CP 01907 POD1		CP	ED	4	2	18	19S	31E		603017	3614737	5592		
CP 00829 POD1		CP	LE	2	4	16	19S	31E		606165	3614009*	6809	120	
CP 00853 POD1	O	CP	ED	2	4	28	18S	30E		596472	3620340*	7093	350	
CP 00873 POD1		CP	LE	1	1	19	19S	31E		601772	3613147*	7377	340	180 160
CP 00647 POD1	O	CP	ED	4	2	15	19S	30E		598235	3614621*	7790	200	92 108
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	7825	400	
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	7854	400	
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	8201	630	
RA 11590 POD1		RA	ED	2	1	3	32	17S	31E	603315	3628545	8246	158	
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	8355	630	
CP 00822 POD1		CP	LE	4	4	15	19S	30E		598148	3613516*	8683	90	
CP 00819 POD1		CP	LE	2	4	32	18S	30E		594878	3618720*	8830	150	
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253	8954	55	
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260	8964	60	
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	9285	350	65 285
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	9921	231	

Average Depth to Water: **112 feet**
 Minimum Depth: **65 feet**
 Maximum Depth: **180 feet**

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 603565.31

Northing (Y): 3620303

Radius: 10000

*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.

1/9/23 11:37 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324159103503801

Minimum number of levels = 1

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

USGS 324159103503801 18S.31E.35.31324

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

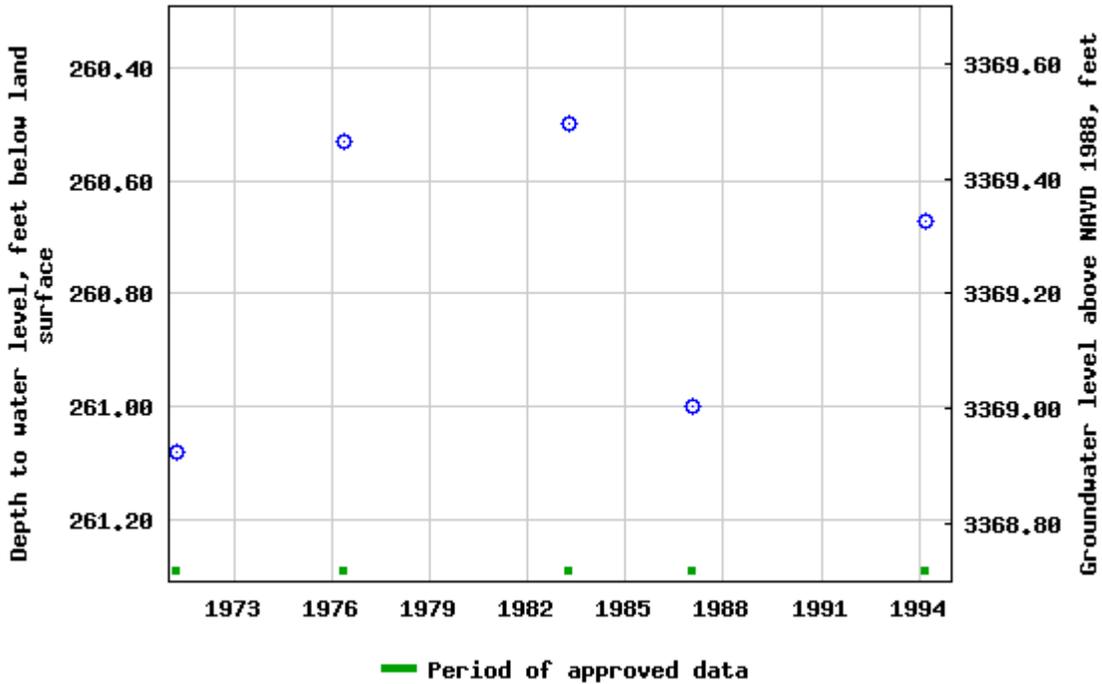
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

Output formats

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

USGS 324159103503801 18S.31E.35.31324



Breaks in the plot represent a gap of at least one year between field measurements.
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2022-09-23 13:19:53 EDT

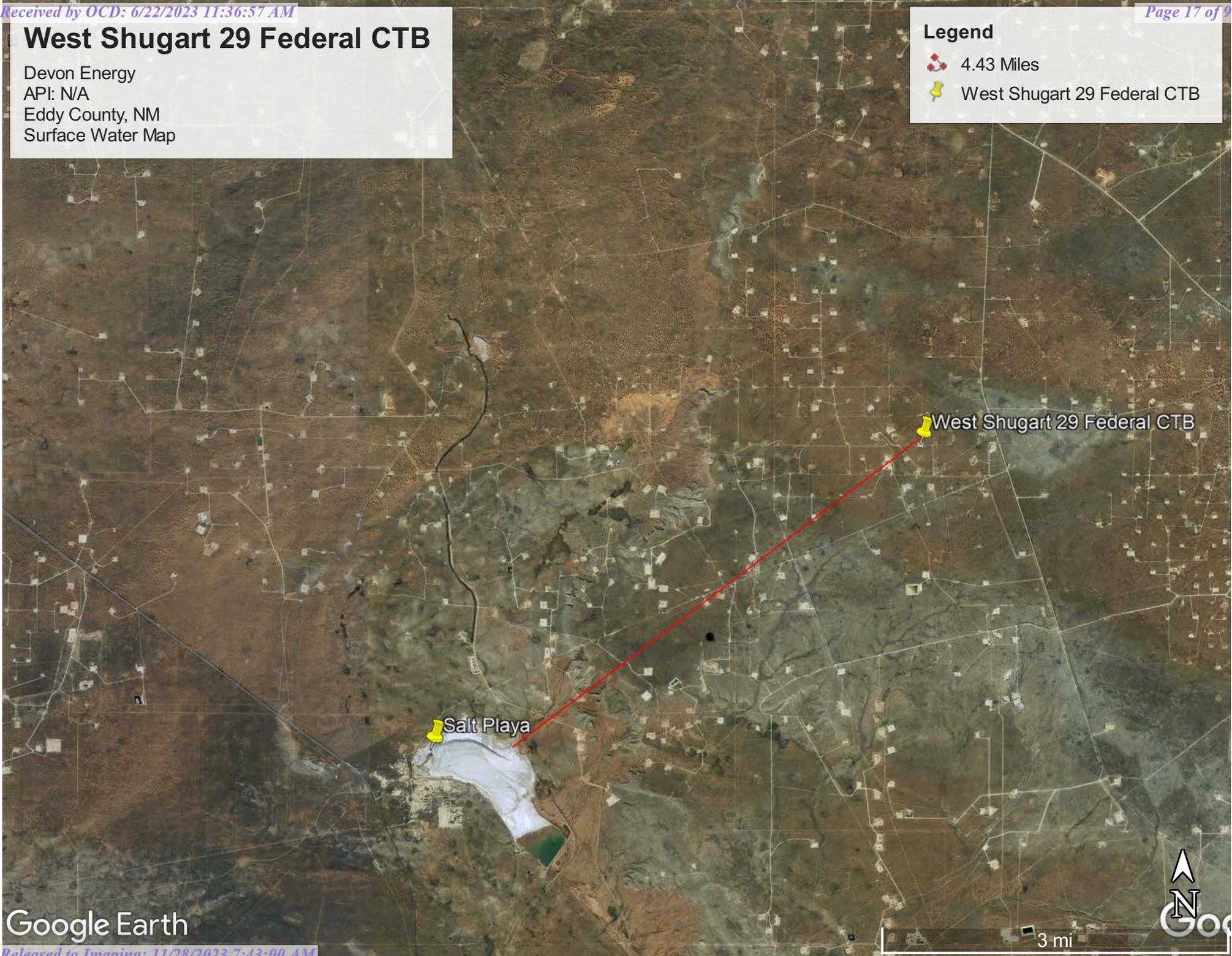
0.54 0.46 nadww02

West Shugart 29 Federal CTB

Devon Energy
API: N/A
Eddy County, NM
Surface Water Map

Legend

-  4.43 Miles
-  West Shugart 29 Federal CTB



Google Earth



3 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent

Minor components: 1 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

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

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

Minor Components

Pajarito

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

Data Source Information

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

National Flood Hazard Layer FIRMette



103°54'W 32°43'11"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

103°53'23"W 32°42'41"N

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

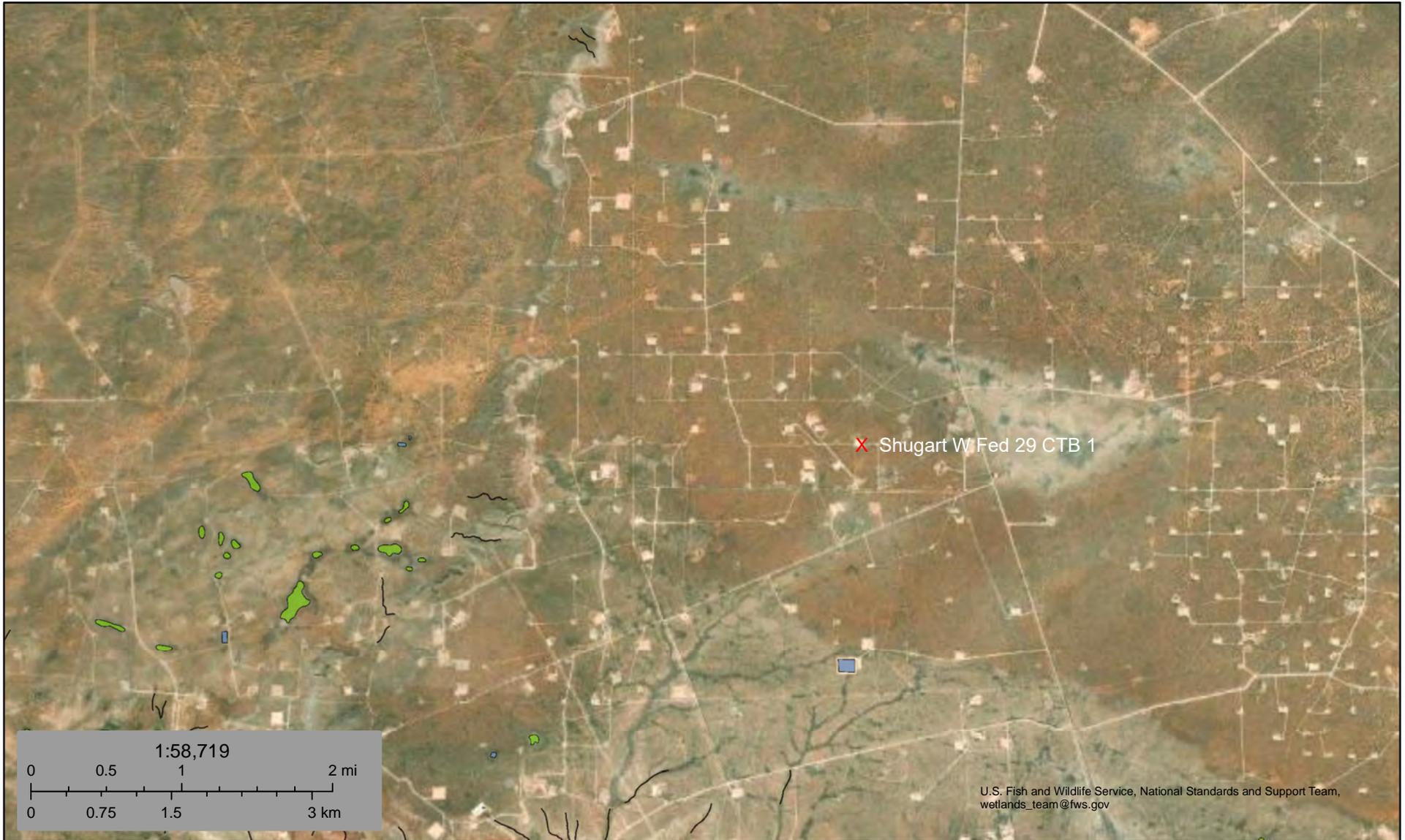
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

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.



Wetlands Map



January 9, 2023

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

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	nAPP2212681299
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.715643 Longitude -103.894921
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Shugart W Fed 29 CTB 1	Site Type Oil
Date Release Discovered 04/21/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
K	29	18S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1.6 BBLS	Volume Recovered (bbls) 0 BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Fluid was released from tube into pasture.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> 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: Spill was not in containment.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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.
Printed Name: <u>Kendra Ruiz</u> Title: <u>EHS Associate</u> Signature: <u>Kendra Ruiz</u> Date: <u>05/06/2022</u> email: <u>Kendra.Ruiz@dvn.com</u> Telephone: <u>575-748-0167</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>05/09/2022</u>

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1031.24</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>42.968</u>
Barrels of Soil Impacted	<u>7.66</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.15</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>1.15</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
Standing fluid	<u>0.000</u>
Total fluids spilled	1.149

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1755.721</u>	<u>0.125</u> +
Cubic Feet of Soil Impacted	<u>18.289</u>
Barrels of Soil Impacted	<u>3.26</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.49</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>0.49</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>0</u>	<u>0.000</u>
Standing fluid	<u>0.000</u>
Total fluids spilled	0.489

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 105036

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 105036
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/9/2022

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

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.

Printed Name: Dale Woodall Title: Environmental Professional
Signature: *Dale Woodall* Date: 6/22/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2212681299
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional
 Signature: Dale Woodall Date: 6/22/2023
 email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Shugart W Fed 29 CTB 1 Confirmation Sampling

1 message

Gio PimaOil <gio@pimaoil.com>

Wed, May 3, 2023 at 9:23 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Shugart W Fed 29 CTB 1 for incident NAPP2212681299. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Saturday, May 6, 2023. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

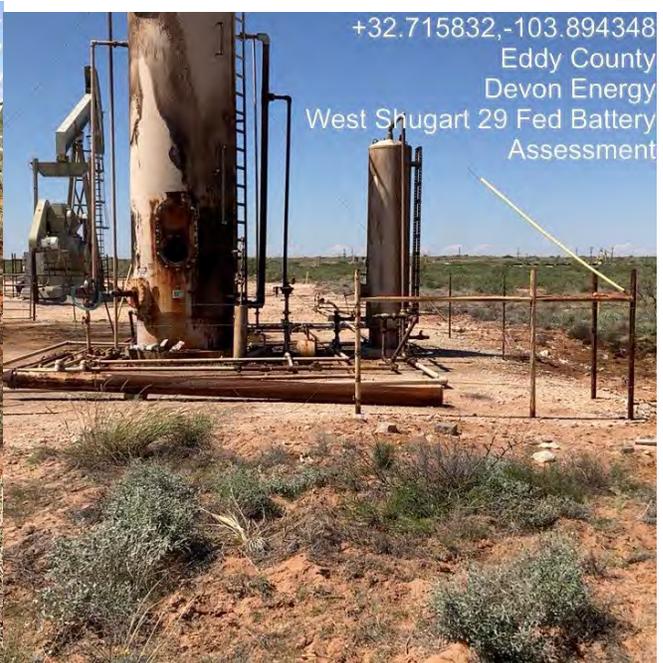
Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
SHUGART W FED 29 BATTERY**

Site Assessment





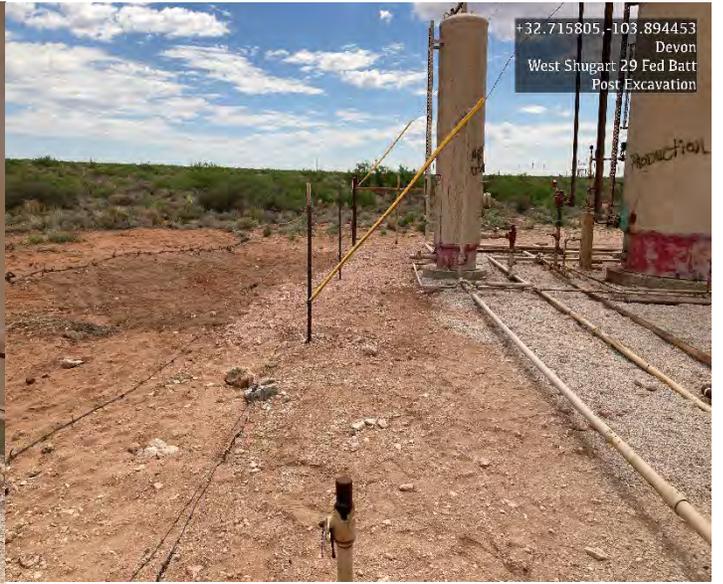


Excavation





Post Excavation







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed Batt.

Work Order: E209165

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed Batt.
Workorder: E209165
Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: West Shugart 29 Fed Batt..

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: West Shugart 29 Fed Batt.
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/04/22 16:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 - 1'	E209165-01A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.1 - 3'	E209165-02A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.1 - 4'	E209165-03A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.2 - 1'	E209165-04A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.2 - 3'	E209165-05A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.2 - 4'	E209165-06A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.3 - 1'	E209165-07A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.3 - 3'	E209165-08A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.3 - 4'	E209165-09A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.4 - 1'	E209165-10A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.4 - 3'	E209165-11A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.4 - 4'	E209165-12A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.4 - 5'	E209165-13A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.5 - 1'	E209165-14A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.5 - 3'	E209165-15A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.5 - 4'	E209165-16A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.5 - 5'	E209165-17A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.6 - 1'	E209165-18A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.6 - 3'	E209165-19A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
S.6 - 4'	E209165-20A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
---	---	---

S.1 - 1'
E209165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>	96.0 %	70-130		09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.3 %	70-130		09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>	96.9 %	70-130		09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>	96.0 %	70-130		09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.3 %	70-130		09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>	96.9 %	70-130		09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>	111 %	50-200		09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
---	---	---

S.1 - 3'

E209165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	31.6	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.1 - 4'

E209165-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.2 - 1'

E209165-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.2 - 3'

E209165-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.2 - 4'

E209165-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.3 - 1'

E209165-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.3 - 3'

E209165-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.3 - 4'

E209165-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.4 - 1'

E209165-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	1020	500	20	09/29/22	09/30/22	
Oil Range Organics (C28-C36)	ND	1000	20	09/29/22	09/30/22	
<i>Surrogate: n-Nonane</i>		184 %	50-200	09/29/22	09/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	2520	40.0	2	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.4 - 3'

E209165-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	1680	500	20	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	1000	20	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		190 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	1990	40.0	2	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.4 - 4'

E209165-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	0.0480	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	0.128	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	0.128	0.0500	1	09/28/22	09/30/22	
Total Xylenes	0.256	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>						
		99.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>						
		98.6 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>						
		99.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>						
		98.6 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	17000	1250	50	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	6820	2500	50	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>						
		301 %	50-200	09/29/22	10/01/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	5290	100	5	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.4 - 5'

E209165-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.5 - 1'

E209165-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	0.504	0.0250	1	09/28/22	09/30/22	
Toluene	0.0785	0.0250	1	09/28/22	09/30/22	
o-Xylene	0.918	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	1.23	0.0500	1	09/28/22	09/30/22	
Total Xylenes	2.15	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	84.1	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	19600	2500	100	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	6390	5000	100	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		55.4 %	50-200	09/29/22	10/01/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	11000	400	20	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.5 - 3'

E209165-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	0.248	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	0.516	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	0.651	0.0500	1	09/28/22	09/30/22	
Total Xylenes	1.17	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	56.0	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	8350	1250	50	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	2710	2500	50	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		295 %	50-200	09/29/22	10/01/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	10300	400	20	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.5 - 4'

E209165-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	0.193	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	0.410	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	0.493	0.0500	1	09/28/22	09/30/22	
Total Xylenes	0.903	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	52.9	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	16100	1250	50	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	6430	2500	50	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		307 %	50-200	09/29/22	10/01/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	12300	400	20	09/30/22	09/30/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.5 - 5'

E209165-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.6 - 1'

E209165-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	548	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	348	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		133 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	4400	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.6 - 3'

E209165-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	728	250	10	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	500	10	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		134 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	3380	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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S.6 - 4'

E209165-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Benzene	ND	0.0250	1	09/28/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/30/22	
Toluene	ND	0.0250	1	09/28/22	09/30/22	
o-Xylene	ND	0.0250	1	09/28/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240061
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/30/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	09/28/22	09/30/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/28/22	09/30/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/28/22	09/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240048
Diesel Range Organics (C10-C28)	1430	250	10	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	674	500	10	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		139 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240094
Chloride	8660	100	5	09/30/22	10/01/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240061-BLK1)

Prepared: 09/28/22 Analyzed: 09/30/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2240061-BS1)

Prepared: 09/28/22 Analyzed: 09/30/22

Benzene	2.06	0.0250	2.50		82.4	70-130			
Ethylbenzene	1.95	0.0250	2.50		77.9	70-130			
Toluene	1.95	0.0250	2.50		78.0	70-130			
o-Xylene	1.97	0.0250	2.50		78.8	70-130			
p,m-Xylene	3.88	0.0500	5.00		77.7	70-130			
Total Xylenes	5.86	0.0250	7.50		78.1	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.7	70-130			

LCS Dup (2240061-BSD1)

Prepared: 09/28/22 Analyzed: 09/30/22

Benzene	2.25	0.0250	2.50		90.0	70-130	8.84	23	
Ethylbenzene	2.18	0.0250	2.50		87.3	70-130	11.4	27	
Toluene	2.17	0.0250	2.50		86.8	70-130	10.7	24	
o-Xylene	2.21	0.0250	2.50		88.3	70-130	11.3	27	
p,m-Xylene	4.35	0.0500	5.00		86.9	70-130	11.2	27	
Total Xylenes	6.55	0.0250	7.50		87.4	70-130	11.2	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240061-BLK1)

Prepared: 09/28/22 Analyzed: 09/30/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS (2240061-BS2)

Prepared: 09/28/22 Analyzed: 09/30/22

Gasoline Range Organics (C6-C10)	37.2	20.0	50.0		74.4	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			

LCS Dup (2240061-BSD2)

Prepared: 09/28/22 Analyzed: 09/30/22

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.7	70-130	9.39	20	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240048-BLK1)

Prepared: 09/29/22 Analyzed: 09/30/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.7		50.0		113	50-200			

LCS (2240048-BS1)

Prepared: 09/29/22 Analyzed: 09/30/22

Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			

Matrix Spike (2240048-MS1)

Source: E209165-05

Prepared: 09/29/22 Analyzed: 09/30/22

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			

Matrix Spike Dup (2240048-MSD1)

Source: E209165-05

Prepared: 09/29/22 Analyzed: 09/30/22

Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	0.685	20	
Surrogate: n-Nonane	56.4		50.0		113	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 4:17:44PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240094-BLK1)

Prepared: 09/30/22 Analyzed: 09/30/22

Chloride	ND	20.0							
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LCS (2240094-BS1)

Prepared: 09/30/22 Analyzed: 09/30/22

Chloride	245	20.0	250		97.9	90-110			
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LCS Dup (2240094-BSD1)

Prepared: 09/30/22 Analyzed: 09/30/22

Chloride	246	20.0	250		98.4	90-110	0.488	20	
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QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed Batt.	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 16:17

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

Chain of Custody

Client: Pima Environmental Services Project: West Shogart 29 Fed Batt. 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: Ned Rogers		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 205		Lab Use Only Lab WO# E209115 Job Number DG58007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	9-23-22	S	1	S.1-1'	1							X		
8:05				S.1-3'	2									
8:10				S.1-4'	3									
8:15				S.2-1'	4									
8:20				S.2-3'	5									
8:25				S.2-4'	6									
8:30				S.3-1'	7									
8:35				S.3-3'	8									
8:40				S.3-4'	9									
8:45				S.4-1'	10									

Additional Instructions: 21024973

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

Relinquished by: (Signature) Charmaine Hernandez	Date 9-23-22	Time 11:00	Received by: (Signature) Ned Rogers	Date 9-23-22	Time 11:30	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 4
Relinquished by: (Signature) Ned Rogers	Date 9-27-22	Time 4:15p	Received by: (Signature) Charmaine Hernandez	Date 9-28-22	Time 10:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services		Bill To		Lab Use Only			TAT			EPA Program		
Project: West Sumpart 29 Fed Battery		Attention: Devon		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		E209105		01658007						
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method								
City, State, Zip Hobbs, NM, 88240		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	RCRA
Phone: 580-748-1613		Email:		State								
Email: tom@pimaoil.com		Pima Project # 205		NM CO UT AZ TX								
Report due by: Ned Rogers				X								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	9-23-22	S	1	S.4-3'	11							X		
8:55				S.4-4'	12									
9:00				S.4-5'	13									
9:05				S.5-1'	14									
9:10				S.5-3'	15									
9:15				S.5-4'	16									
9:20				S.5-5'	17									
9:25				S.6-1'	18									
9:30				S.6-3'	19									
9:35				S.6-4'	20									

Additional Instructions: 21024973

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
Tom Bynum	9-23-22		Ned Rogers	9-23-22	2:00	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2
Tom Bynum	9-27-22	4:15	Devon	9-27-22	10:00		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C	
						4	

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

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



Envirotech Analytical Laboratory

Printed: 9/28/2022 12:18:22PM

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:	09/28/22 10:00	Work Order ID:	E209165
Phone:	(575) 631-6977	Date Logged In:	09/27/22 16:38	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/04/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: UPS

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Comments/Resolution

Project West Shugart 29 Fed Batt. has been split into multiple workorder/reports due to sample volume. WO# are as follows: E209165 and E209166

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed Batt.

Work Order: E209166

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed Batt.
Workorder: E209166
Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: West Shugart 29 Fed Batt..

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/04/22 09:43
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.6 - 5'	E209166-01A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.1	E209166-02A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.2	E209166-03A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.3	E209166-04A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.4	E209166-05A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.5	E209166-06A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.6	E209166-07A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.7	E209166-08A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.8	E209166-09A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.9	E209166-10A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
SW.10	E209166-11A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
BG.1	E209166-12A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.
BG.2	E209166-13A	Soil	09/23/22	09/28/22	Glass Jar, 4 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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S.6 - 5'

E209166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.8 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.1

E209166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.2

E209166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.3

E209166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.4

E209166-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.5

E209166-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.9 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.6

E209166-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.4 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.7

E209166-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.8

E209166-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.9

E209166-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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SW.10

E209166-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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BG.1

E209166-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.3 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		125 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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BG.2

E209166-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Benzene	ND	0.0250	1	09/28/22	10/01/22	
Ethylbenzene	ND	0.0250	1	09/28/22	10/01/22	
Toluene	ND	0.0250	1	09/28/22	10/01/22	
o-Xylene	ND	0.0250	1	09/28/22	10/01/22	
p,m-Xylene	ND	0.0500	1	09/28/22	10/01/22	
Total Xylenes	ND	0.0250	1	09/28/22	10/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2240062
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	10/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.8 %	70-130	09/28/22	10/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/22	10/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/22	10/01/22	
<i>Surrogate: n-Nonane</i>		128 %	50-200	09/29/22	10/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240095
Chloride	ND	20.0	1	09/30/22	10/01/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240062-BLK1)

Prepared: 09/28/22 Analyzed: 10/01/22

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	8.06		8.00		101	70-130			

LCS (2240062-BS1)

Prepared: 09/28/22 Analyzed: 10/01/22

Benzene	4.88	0.0250	5.00		97.6	70-130			
Ethylbenzene	3.99	0.0250	5.00		79.8	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.06	0.0250	5.00		81.3	70-130			
p,m-Xylene	8.08	0.0500	10.0		80.8	70-130			
Total Xylenes	12.1	0.0250	15.0		80.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			

LCS Dup (2240062-BSD1)

Prepared: 09/28/22 Analyzed: 10/01/22

Benzene	4.56	0.0250	5.00		91.2	70-130	6.81	20	
Ethylbenzene	3.74	0.0250	5.00		74.7	70-130	6.54	20	
Toluene	3.98	0.0250	5.00		79.5	70-130	6.69	20	
o-Xylene	3.80	0.0250	5.00		76.0	70-130	6.71	20	
p,m-Xylene	7.59	0.0500	10.0		75.9	70-130	6.28	20	
Total Xylenes	11.4	0.0250	15.0		75.9	70-130	6.43	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240062-BLK1)

Prepared: 09/28/22 Analyzed: 10/01/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			

LCS (2240062-BS2)

Prepared: 09/28/22 Analyzed: 10/01/22

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

LCS Dup (2240062-BSD2)

Prepared: 09/28/22 Analyzed: 10/01/22

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130	1.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240049-BLK1)

Prepared: 09/29/22 Analyzed: 10/01/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.6		50.0		119	50-200			

LCS (2240049-BS1)

Prepared: 09/29/22 Analyzed: 10/01/22

Diesel Range Organics (C10-C28)	235	25.0	250		94.1	38-132			
Surrogate: n-Nonane	62.2		50.0		124	50-200			

Matrix Spike (2240049-MS1)

Source: E209166-08

Prepared: 09/29/22 Analyzed: 10/01/22

Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.2	38-132			
Surrogate: n-Nonane	60.0		50.0		120	50-200			

Matrix Spike Dup (2240049-MSD1)

Source: E209166-08

Prepared: 09/29/22 Analyzed: 10/01/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	38-132	0.590	20	
Surrogate: n-Nonane	61.1		50.0		122	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: West Shugart 29 Fed Batt. Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/4/2022 9:43:56AM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240095-BLK1)

Prepared: 09/30/22 Analyzed: 10/01/22

Chloride	ND	20.0							
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LCS (2240095-BS1)

Prepared: 09/30/22 Analyzed: 10/01/22

Chloride	240	20.0	250		96.0	90-110			
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LCS Dup (2240095-BSD1)

Prepared: 09/30/22 Analyzed: 10/01/22

Chloride	245	20.0	250		97.8	90-110	1.94	20	
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QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed Batt.	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 09:43

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

Client: Pima Environmental Services Project: West Shugart 29 Fed Battery 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: Ned Rogers		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 205		Lab Use Only Lab WO# E209116610650007 Job Number 10650007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 RGDOC NM RGDOC TX		State NM CO UT AZ TX X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	RGDOC NM	RGDOC TX	Remarks
9:40	9-23-22	S	1	S.6-5'	1							X		
9:45				SW.1	2									
9:50				SW.2	3									
10:00				SW.3	4									
10:05				SW.4	5									
10:10				SW.5	6									
10:20				SW.6	7									
10:25				SW.7	8									
10:30				SW.8	9									
10:35				SW.9	10									

Additional Instructions: 21024973

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

Relinquished by: (Signature) <i>[Signature]</i>		Date: 9/23/22		Time: 11:00		Received by: (Signature) <i>[Signature]</i>		Date: 9/23/22		Time: 3:00		Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
Relinquished by: (Signature) <i>[Signature]</i>		Date: 9-27-22		Time: 4:15		Received by: (Signature) <i>[Signature]</i>		Date: 9/28/22		Time: 1000		T1 T2 T3 AVG Temp °C 4	

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

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



Client: Pima Environmental Services Project: West Sugar #29 Fed Battery 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: Ned Rogers		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 205		Lab Use Only Lab WO# E2091100 Job Number 010580007		TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
				Analysis and Method DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>		BGDQC NM <input checked="" type="checkbox"/> BGDQC TX <input type="checkbox"/>			State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDQC NM	BGDQC TX	Remarks
10:40	9/23/22	S	1	SW.10	11							X		
10:45	↓	↓	↓	BG.1	12							↓		
10:50	↓	↓	↓	BG.2	13							↓		

Additional Instructions: 21024973

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

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

Relinquished by: (Signature) <i>Madisona Benavides</i>	Date <i>9-23-22</i>	Time <i>11:00</i>	Received by: (Signature) <i>Ned Rogers</i>	Date <i>9-23-22</i>	Time <i>2:00</i>	Lab Use Only Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <i>4</i>
Relinquished by: (Signature) <i>MMH</i>	Date <i>9-27-22</i>	Time <i>4:15</i>	Received by: (Signature) <i>Y. Williams</i>	Date <i>9-28-22</i>	Time <i>1000</i>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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



Envirotech Analytical Laboratory

Printed: 9/28/2022 12:19:54PM

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: 09/28/22 10:00 Work Order ID: E209166
Phone: (575) 631-6977 Date Logged In: 09/27/22 16:41 Logged In By: Alexa Michaels
Email: tom@pimaoil.com Due Date: 10/04/22 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: UPS

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Project West Shugart 29 Fed Batt. has been split into multiple workorder/reports due to sample volume. WO# are as follows: E209165 and E209166

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

Date



envirotech Inc.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 231669

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 231669
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/28/2023