

Incident ID	nAPP2222026306
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

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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: EHS Professional

Signature: *Dale Woodall* Date: 3/6/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222026306
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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: EHS Professional
 Signature: *Dale Woodall* Date: 3/6/2023
 email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

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: _____ Date: _____

Printed Name: _____ Title: _____



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

March 3, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Marwari 28 CTB 1
API No. N/A
GPS: Latitude 32.106210 Longitude -103.687828
UL -- D, 4, T25S, R32E
Lea County, NM
NMOCD Ref. No. NAPP2222026306

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water release that occurred at the Marwari 28 CTB 1 (Marwari). The initial C-141 was submitted on August 18, 2022 (Appendix C). This incident was assigned Incident ID NAPP2222026306 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Marwari is located approximately twenty-four (24) miles southeast of Malaga, NM. This spill site is in Unit D, Section 4, Township 25S, Range 32E, Latitude 32.106210 Longitude -103.687828, Lea 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 Pyote 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 class in this area is well drained. There is a low potential for karst geology to be present around the Marwari (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 350 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 290 feet BGS. The closest waterway is Red Bluff Reservoir located approximately 18 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 data)	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

NAPP2222026306: On August 4, 2022, fluid was released from a separator. The released fluids were calculated to be approximately 7 barrels (bbls) of produced water. No fluid was able to recover.

Remediation Activities, Site Assessment, and Soil Sampling Results

On October 4, 2022, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

10-4-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)								
DEVON ENERGY - MARWARI 28 CTB 1								
Sample Date: 10/4/22		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
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	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
S-1	1'	28.7	0.217	303	14700	4490	19521.917	8060
	2'	ND	ND	ND	ND	ND	0	569
	3'	0.0339	ND	ND	ND	ND	0.0339	240
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	32	0.621	393	16400	5090	21915.621	8040
	2'	ND	ND	ND	ND	ND	0	460
	3'	0.0773	ND	ND	ND	ND	0.0773	324
	4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On January 18, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 26, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

1-26-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)								
DEVON ENERGY - MARWARI 28 CTB 1								
Sample Date: 1/26/23		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	2'	ND	ND	ND	ND	ND	0	ND
CS 2	2'	ND	ND	ND	ND	ND	0	ND
CS 3	2'	ND	ND	ND	ND	ND	0	ND
CS 4	2'	ND	ND	ND	ND	ND	0	ND
CS 5	2'	ND	ND	ND	ND	ND	0	ND
CS 6	2'	ND	ND	ND	ND	ND	0	ND
CS 7	2'	ND	ND	ND	ND	ND	0	ND
CS 8	2'	ND	ND	ND	ND	ND	0	ND
CS 9	2'	ND	ND	ND	ND	ND	0	ND
CS 10	2'	ND	ND	ND	ND	ND	0	ND
CS 11	2'	ND	ND	ND	ND	ND	0	ND
CSW 1	2'	ND	ND	ND	ND	ND	0	ND
CSW 2	2'	ND	ND	ND	ND	ND	0	ND
CSW 3	2'	ND	ND	ND	ND	ND	0	ND
CSW 4	2'	ND	ND	ND	ND	ND	0	ND
CSW 5	2'	ND	ND	ND	ND	ND	0	ND
CSW 6	2'	ND	ND	ND	ND	ND	0	ND
CSW 7	2'	ND	ND	ND	ND	ND	0	ND
CSW 8	2'	ND	ND	ND	ND	ND	0	ND
CSW 9	2'	ND	ND	ND	ND	ND	0	ND
CSW 10	2'	ND	ND	ND	ND	ND	0	ND
CSW 11	2'	ND	ND	ND	ND	ND	0	ND
CSW 12	2'	ND	ND	ND	ND	ND	0	ND
CSW 13	2'	ND	ND	ND	ND	ND	0	ND
CSW 14	2'	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 bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2222026306 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
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

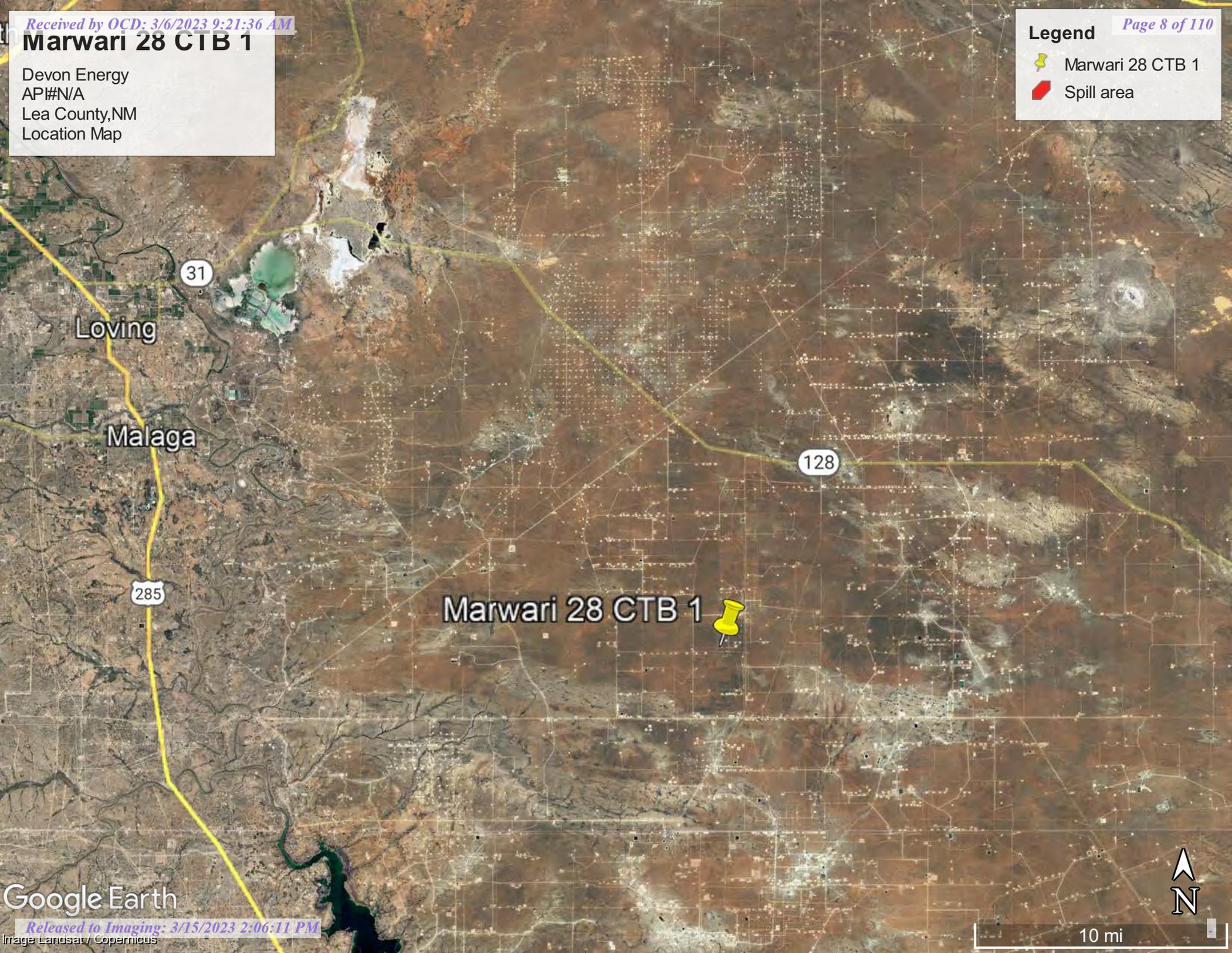
5-Confirmation Sample Map

Marwari 28 CTB 1

Devon Energy
API#N/A
Lea County, NM
Location Map

Legend

-  Marwari 28 CTB 1
-  Spill area



31

Loving

Malaga

285

128

Marwari 28 CTB 1

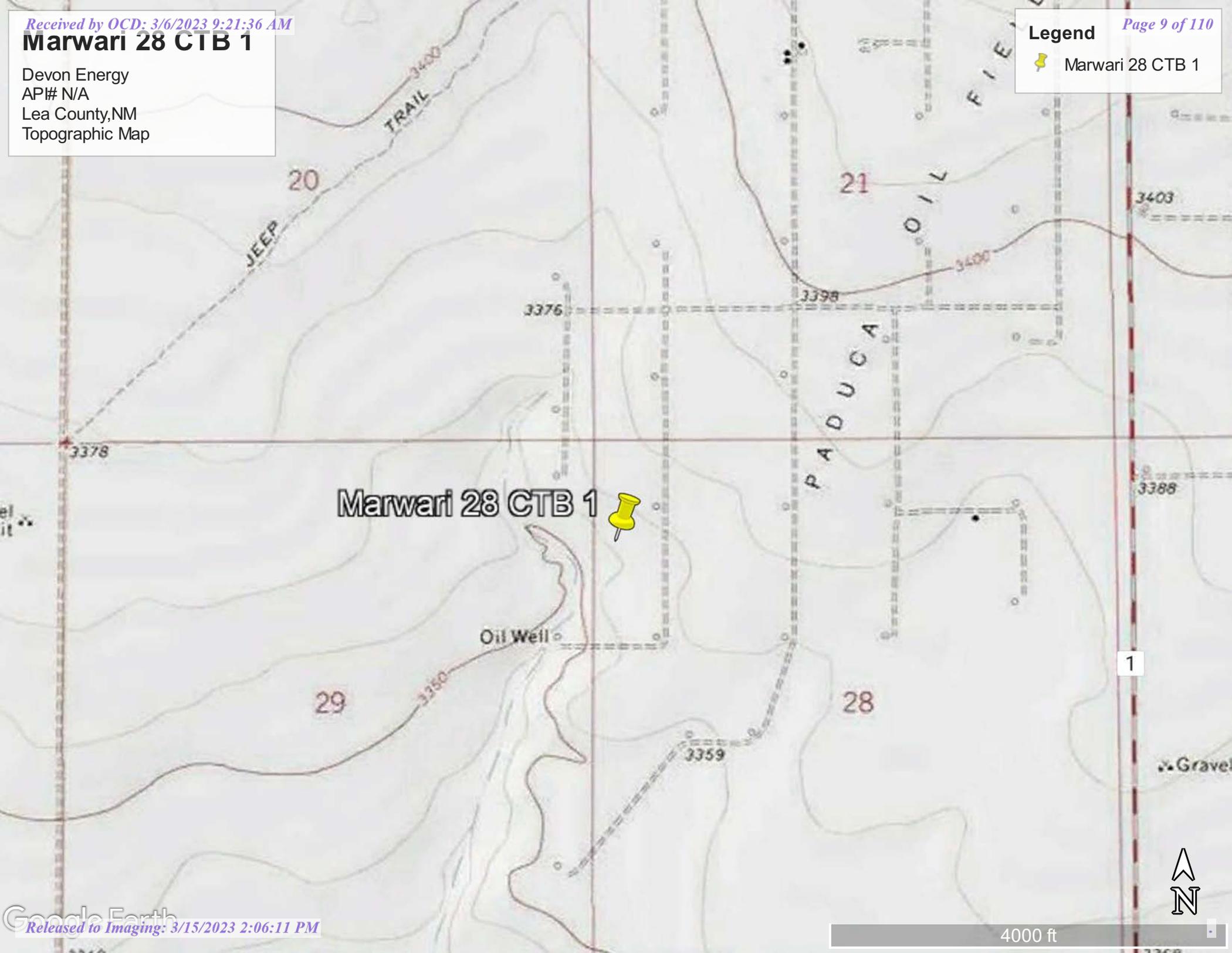


Marwari 28 CTB 1

Devon Energy
API# N/A
Lea County, NM
Topographic Map

Legend

-  Marwari 28 CTB 1

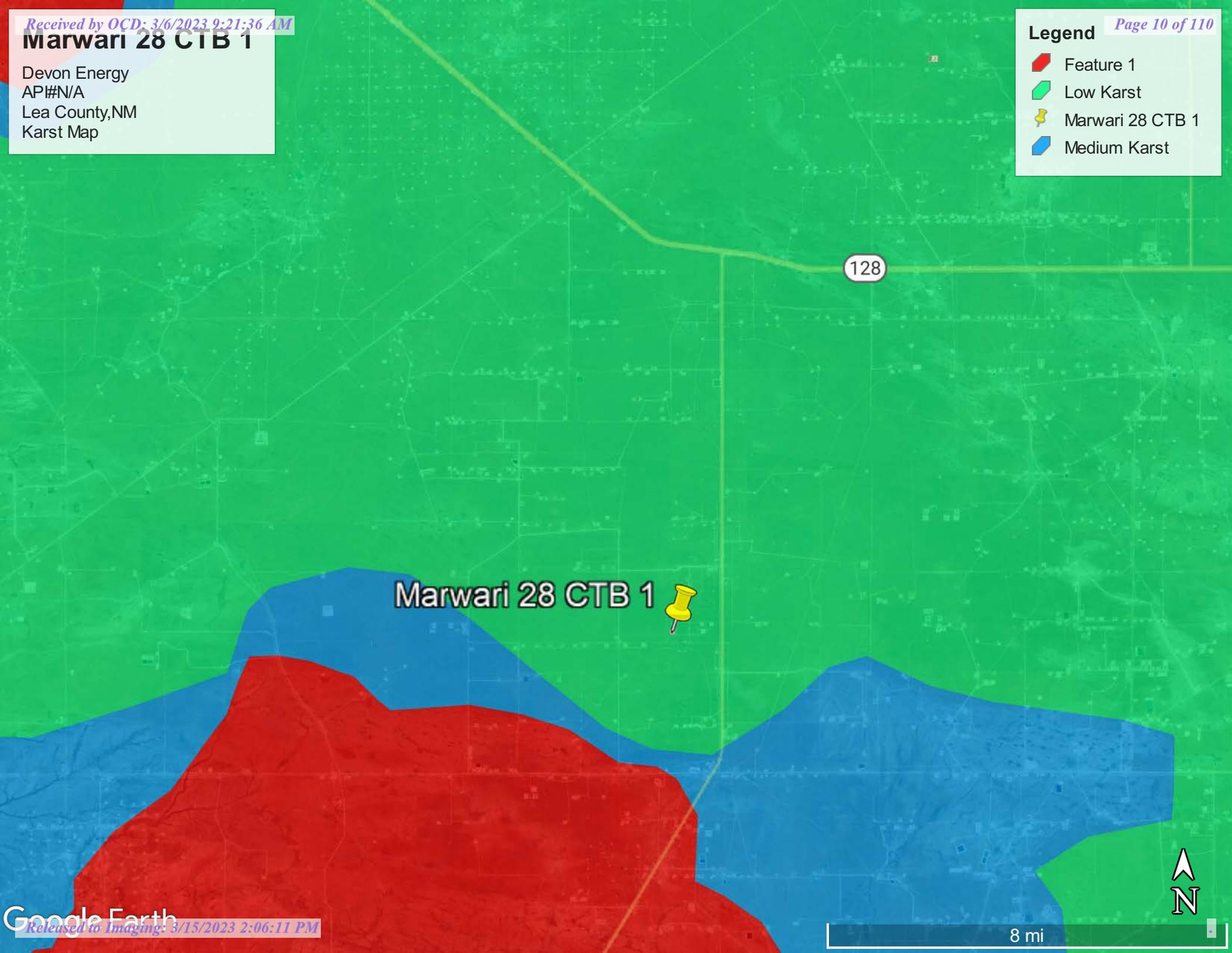


Marwari 28 CTB 1

Devon Energy
API#N/A
Lea County, NM
Karst Map

Legend

-  Feature 1
-  Low Karst
-  Marwari 28 CTB 1
-  Medium Karst



Marwari 28 CTB 1 

128

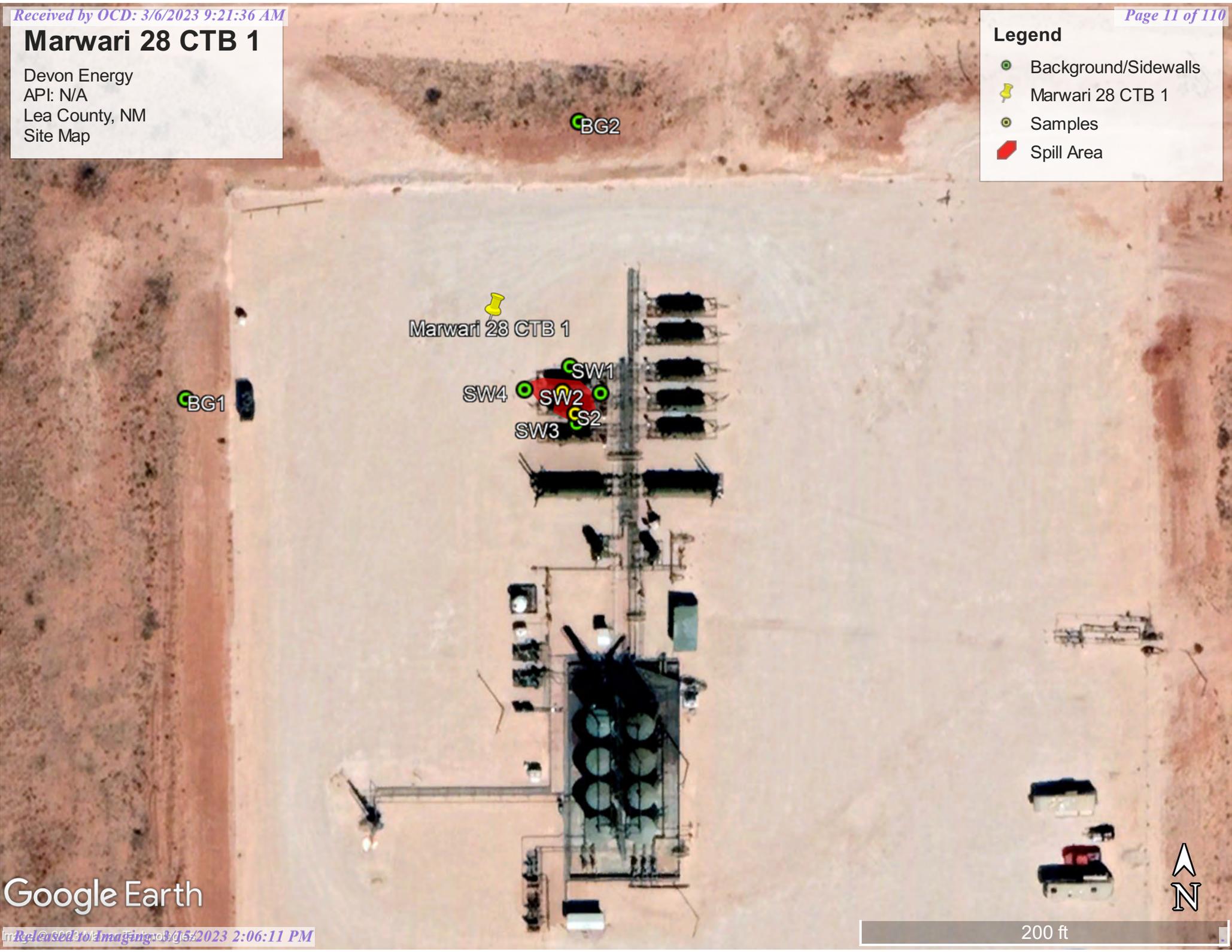


Marwari 28 CTB 1

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

Legend

- Background/Sidewalls
- 📌 Marwari 28 CTB 1
- Samples
- Spill Area



Google Earth

Marwari 28 CTB 1

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

Legend

- Confirmation Samples
- Confirmation Sidewalls
- Marwari 28 CTB 1

Marwari 28 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_03829 POD1	CUB	LE		3	3	1	06	26S	32E	620628	3549186	4916	646	350	296
C_03554 POD1	CUB	ED		2	1	4	01	26S	31E	620547	3549148	4998	630	300	330

Average Depth to Water: **325 feet**
 Minimum Depth: **300 feet**
 Maximum Depth: **350 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 623816.56

Northing (Y): 3552929.67

Radius: 5000

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.

6/17/22 9:44 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 =

- 321005103402301

Minimum number of levels = 1

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

USGS 321005103402301 24S.32E.33.42241

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83

Land-surface elevation 3,499.00 feet above NGVD29

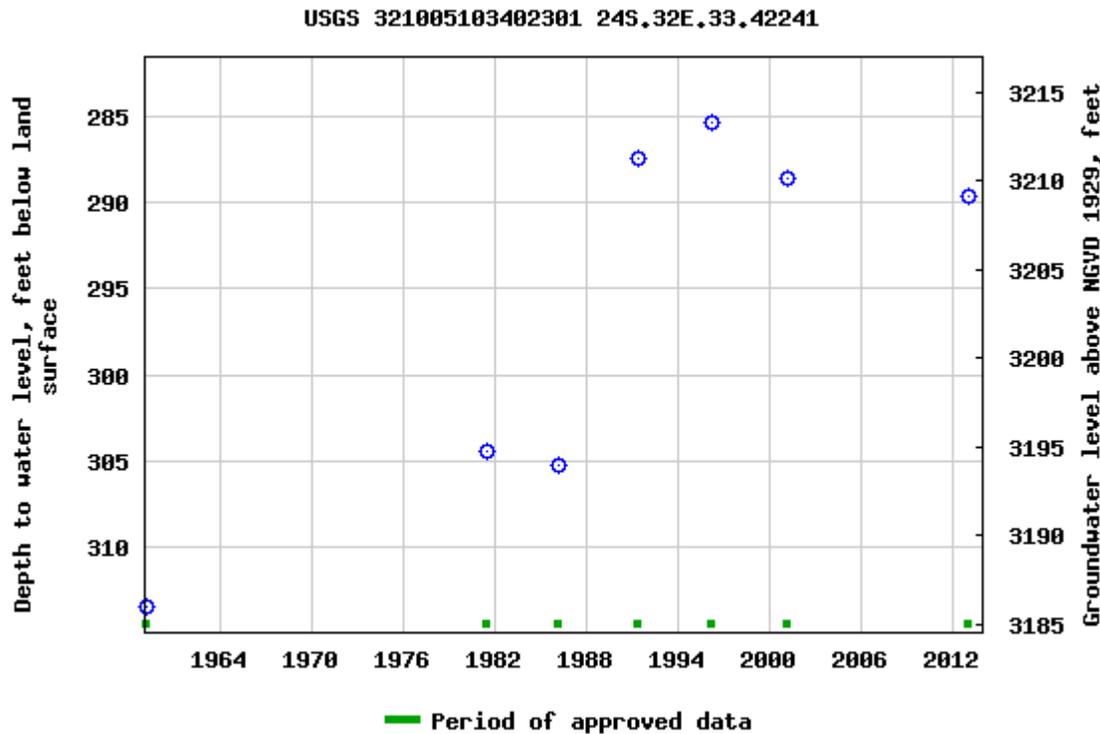
The depth of the well is 367 feet below land surface.

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

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

Output formats

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



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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2022-06-17 11:41:58 EDT

0.72 0.62 nadww01

Marwari 28 CTB 1

Devon Energy
API# N/A
Lea County, NM
Surface Water Map

Legend

-  Marwari 28 CTB 1
-  Red Bluff 18 Miles

128

Marwari 28 CTB 1



9 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

Lea County, New Mexico

PT—Pyote loamy fine sand

Map Unit Setting

National map unit symbol: dmqp

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 200 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Pyote and similar soils: 85 percent

Minor components: 15 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 25 inches: loamy fine sand

Bt - 25 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s

Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 8 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Palomas

Percent of map unit: 7 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette



103°41'34"W 32°6'36"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

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.



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°40'57"W 32°6'6"N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2022 at 11:40 AM 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 24, 2023

Wetlands

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

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



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (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

State of New Mexico
Oil Conservation Division

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped. <input 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 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:
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: _____ Title: _____ Signature: <u>Kendra Ruiz</u> Date: _____ email: _____ Telephone: _____
OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>08/18/2022</u>

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 135498

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 135498
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/18/2022

Incident ID	nAPP2222026306
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	nAPP2222026306
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: EHS Professional

Signature: *Dale Woodall* Date: 3/6/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222026306
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: EHS Professional
 Signature: *Dale Woodall* Date: 3/6/2023
 email: dale.woodall@dvn.com Telephone: 405-318-4697

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: *Jennifer Nobui* Date: 03/15/2023
 Printed Name: Jennifer Nobui Title: Environmental Specialist A



Gio PimaOil <gio@pimaoil.com>

Confirmation of Sampling Marwari 28 CTB 1

1 message

Gio PimaOil <gio@pimaoil.com>

Mon, Jan 23, 2023 at 1:10 PM

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

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Marwari 28 CTB 1 for incidents NAPP2201145173 & NAPP2222026306 . Pima personnel are scheduled to be on site for this sampling event at approximately 8:00 a.m. on Thursday, January 26, 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

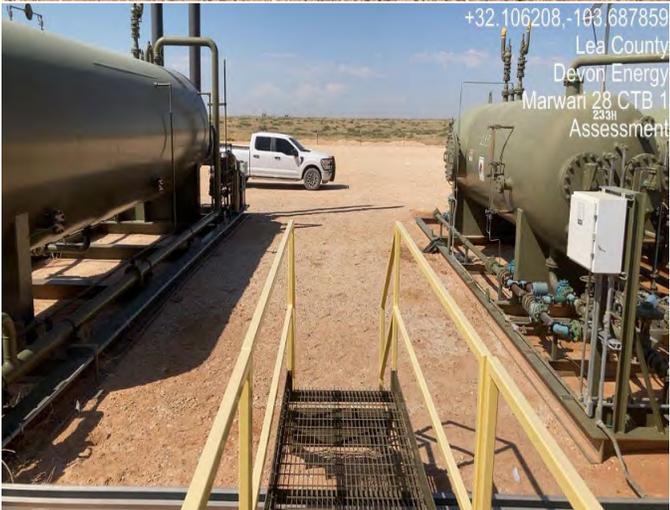
Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
MARWARI 28 CTB 1**

Site Assessment





Excavation



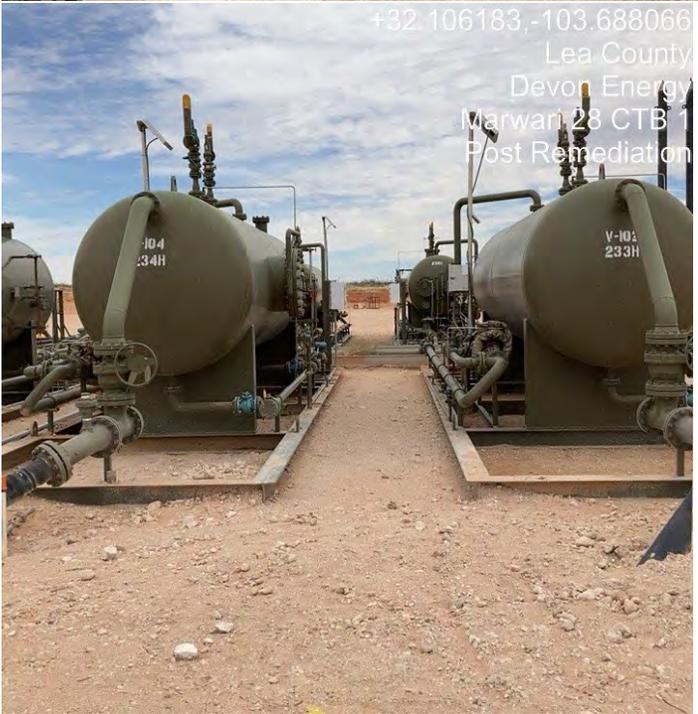






Post Excavation







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: Marwari 28 CTB 1

Work Order: E210031

Job Number: 01058-0007

Received: 10/7/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/13/22

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: 10/13/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Marwari 28 CTB 1
Workorder: E210031
Date Received: 10/7/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/7/2022 10:30:00AM, under the Project Name: Marwari 28 CTB 1.

The analytical test results summarized in this report with the Project Name: Marwari 28 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/22 12:41
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E210031-01A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
BG2	E210031-02A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW1	E210031-03A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW2	E210031-04A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW3	E210031-05A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW4	E210031-06A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 1'	E210031-07A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 2'	E210031-08A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 3'	E210031-09A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 4'	E210031-10A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 1'	E210031-11A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 2'	E210031-12A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 3'	E210031-13A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 4'	E210031-14A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
---	--	---

BG1

E210031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY	Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY	Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL	Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/10/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/10/22	10/10/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS	Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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BG2

E210031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/10/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/10/22	10/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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SW1

E210031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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SW2

E210031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.7 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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SW3

E210031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.0 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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SW4

E210031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.4 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S1 1'

E210031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	0.217	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	3.65	0.0250	1	10/10/22	10/11/22	
Toluene	7.21	0.0250	1	10/10/22	10/11/22	
o-Xylene	7.92	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	20.8	0.0500	1	10/10/22	10/11/22	
Total Xylenes	28.7	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		124 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	303	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		116 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	14700	250	10	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	4490	500	10	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		250 %	50-200	10/10/22	10/11/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	8060	200	10	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S1 2'

E210031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/12/22	
Toluene	ND	0.0250	1	10/10/22	10/12/22	
o-Xylene	ND	0.0250	1	10/10/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/10/22	10/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %	70-130	10/10/22	10/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	569	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S1 3'

E210031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	0.0542	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	0.0339	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	0.0339	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.1 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.1 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		99.3 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	240	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S1 4'

E210031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S2 1'

E210031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	0.621	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	4.15	0.0250	1	10/10/22	10/11/22	
Toluene	10.0	0.0250	1	10/10/22	10/11/22	
o-Xylene	8.88	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	23.1	0.0500	1	10/10/22	10/11/22	
Total Xylenes	32.0	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	393	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		113 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	16400	250	10	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	5090	500	10	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		268 %	50-200	10/10/22	10/11/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	8040	200	10	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S2 2'

E210031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/13/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/13/22	
Toluene	ND	0.0250	1	10/10/22	10/13/22	
o-Xylene	ND	0.0250	1	10/10/22	10/13/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/13/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/10/22	10/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.8 %	70-130	10/10/22	10/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	460	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S2 3'

E210031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	0.0534	0.0250	1	10/10/22	10/11/22	
Toluene	0.0274	0.0250	1	10/10/22	10/11/22	
o-Xylene	0.0773	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	0.0773	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	324	20.0	1	10/11/22	10/12/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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S2 4'

E210031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	10/10/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/10/22	10/11/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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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 (2242002-BLK1)

Prepared: 10/10/22 Analyzed: 10/11/22

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	8.18		8.00		102	70-130			

LCS (2242002-BS1)

Prepared: 10/10/22 Analyzed: 10/11/22

Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.00	0.0250	5.00		80.0	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.06	0.0250	5.00		81.2	70-130			
p,m-Xylene	8.12	0.0500	10.0		81.2	70-130			
Total Xylenes	12.2	0.0250	15.0		81.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

LCS Dup (2242002-BSD1)

Prepared: 10/10/22 Analyzed: 10/11/22

Benzene	5.54	0.0250	5.00		111	70-130	8.15	20	
Ethylbenzene	4.30	0.0250	5.00		86.0	70-130	7.22	20	
Toluene	4.64	0.0250	5.00		92.8	70-130	7.78	20	
o-Xylene	4.39	0.0250	5.00		87.7	70-130	7.73	20	
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130	6.90	20	
Total Xylenes	13.1	0.0250	15.0		87.2	70-130	7.18	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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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 (2242002-BLK1)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

LCS (2242002-BS2)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0		78.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

LCS Dup (2242002-BSD2)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.9	70-130	5.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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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 (2241100-BLK1)

Prepared: 10/10/22 Analyzed: 10/10/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2241100-BS1)

Prepared: 10/10/22 Analyzed: 10/10/22

Diesel Range Organics (C10-C28)	190	25.0	250		76.0	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2241100-MS1)

Source: E210031-02

Prepared: 10/10/22 Analyzed: 10/10/22

Diesel Range Organics (C10-C28)	174	25.0	250	ND	69.6	38-132			
Surrogate: n-Nonane	39.0		50.0		78.1	50-200			

Matrix Spike Dup (2241100-MSD1)

Source: E210031-02

Prepared: 10/10/22 Analyzed: 10/10/22

Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132	22.8	20	R3
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/13/2022 12:41:47PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2242025-BLK1)

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride	ND	20.0							
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LCS (2242025-BS1)

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2242025-MS1)

Source: E210031-01

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride	249	20.0	250	ND	99.5	80-120			
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Matrix Spike Dup (2242025-MSD1)

Source: E210031-01

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride	251	20.0	250	ND	100	80-120	0.967	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:	Marwari 28 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/13/22 12:41

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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: Marwari 28 CTB1 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: DEVON ENERGY Address: City, State, Zip Phone: Email: Pima Project # 1-139		Lab Use Only Lab WO# E 210031 Job Number 01058-0007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method										Remarks										
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NIM	BDOC TX	State												
											NM	CO	UT	AZ	TX											
8:00	10/4/22	S	1	BQ1	1											X										
8:05				BQ2	2																					
8:10				SW1	3																					
8:15				SW2	4																					
8:20				SW3	5																					
8:25				SW4	6																					
8:30				S11'	7																					
8:35				S12'	8																					
8:40				S13'	9																					
8:45				S14	10																					

Additional Instructions: 21059023

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by: 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>[Signature]</i>	Date: 10/5/22	Time: 2:00	Received by: (Signature) <i>[Signature]</i>	Date: 10/5/22	Time: 3:15	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) <i>[Signature]</i>	Date: 10-6-22	Time: 4:15	Received by: (Signature) <i>[Signature]</i>	Date: 10/7/22	Time: 10:30	
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.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: MARWAFL 28 CTB1 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: DEVON ENERGY Address: City, State, Zip Phone: Email: Pima Project # 1-139		Lab Use Only Lab WO# E210031 Job Number 0058-0007		TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/> V			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
Analysis and Method					State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>		Remarks			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	10/4/22	S	1	S2 1'	11							X		
8:55				S2 2'	12									
9:00				S2 3'	13									
9:05				S2 4'	14									

Additional Instructions:

21059023

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: Hed Baers

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 5 °C on subsequent days.

Relinquished by: (Signature) <u>Alexandra Sanders</u>	Date <u>10/5/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Hed Baers</u>	Date <u>10/6/22</u>	Time <u>3:15 P</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10-6-22</u>	Time <u>4/5</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10/7/22</u>	Time <u>10:30</u>	
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: 10/7/2022 11:25:42AM

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: 10/07/22 10:30 Work Order ID: E210031
Phone: (575) 631-6977 Date Logged In: 10/06/22 16:40 Logged In By: Caitlin Christian
Email: tom@pimaoil.com Due Date: 10/13/22 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 instructions.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Marwari 28 CTB 1

Work Order: E301138

Job Number: 01058-0007

Received: 1/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/31/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Marwari 28 CTB 1
Workorder: E301138
Date Received: 1/28/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: Marwari 28 CTB 1.

The analytical test results summarized in this report with the Project Name: Marwari 28 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Sample Summary

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

Project Name: Marwari 28 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
01/31/23 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E301138-01A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS2	E301138-02A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS3	E301138-03A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS4	E301138-04A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS5	E301138-05A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS6	E301138-06A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS7	E301138-07A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS8	E301138-08A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS9	E301138-09A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS10	E301138-10A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS11	E301138-11A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW1	E301138-12A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW2	E301138-13A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW3	E301138-14A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW4	E301138-15A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW5	E301138-16A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW6	E301138-17A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW7	E301138-18A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW8	E301138-19A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW9	E301138-20A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW10	E301138-21A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW11	E301138-22A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW12	E301138-23A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW13	E301138-24A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW14	E301138-25A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS1
E301138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>	91.9 %	70-130		01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.2 %	70-130		01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>	91.9 %	70-130		01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.2 %	70-130		01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>	94.5 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	40.0	2	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS2

E301138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		92.1 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS3

E301138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		94.9 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS4

E301138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		94.5 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS5

E301138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS6

E301138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		89.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		89.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		95.2 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS7

E301138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS8

E301138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		98.4 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS9

E301138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		95.0 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS10

E301138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		94.8 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CS11

E301138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		94.5 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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**CSW1
E301138-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW2

E301138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW3

E301138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW4

E301138-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW5
E301138-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW6

E301138-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		99.5 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW7

E301138-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW8

E301138-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.0 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW9

E301138-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW10

E301138-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/29/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/29/23	
Toluene	ND	0.0250	1	01/27/23	01/29/23	
o-Xylene	ND	0.0250	1	01/27/23	01/29/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/29/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/29/23	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	01/27/23	01/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	01/27/23	01/29/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/29/23	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	01/27/23	01/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	01/27/23	01/29/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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**CSW11
E301138-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/29/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/29/23	
Toluene	ND	0.0250	1	01/27/23	01/29/23	
o-Xylene	ND	0.0250	1	01/27/23	01/29/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/29/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/29/23	
<i>Surrogate: Bromofluorobenzene</i>		92.0 %	70-130	01/27/23	01/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	01/27/23	01/29/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	01/27/23	01/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/29/23	
<i>Surrogate: Bromofluorobenzene</i>		92.0 %	70-130	01/27/23	01/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	01/27/23	01/29/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	01/27/23	01/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW12

E301138-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW13

E301138-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		93.5 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		93.5 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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CSW14

E301138-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	01/28/23	01/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2304055-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2304055-BS1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.50	0.0250	2.50		100	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.2	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
p,m-Xylene	4.99	0.0500	5.00		99.7	70-130			
Total Xylenes	7.58	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS Dup (2304055-BSD1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.62	0.0250	2.50		105	70-130	4.59	23	
Ethylbenzene	2.61	0.0250	2.50		104	70-130	4.92	27	
Toluene	2.67	0.0250	2.50		107	70-130	4.40	24	
o-Xylene	2.75	0.0250	2.50		110	70-130	5.82	27	
p,m-Xylene	5.24	0.0500	5.00		105	70-130	4.91	27	
Total Xylenes	7.99	0.0250	7.50		106	70-130	5.22	27	
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2304056-BS1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.82	0.0250	2.50		113	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.22	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS Dup (2304056-BSD1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.74	0.0250	2.50		109	70-130	3.10	23	
Ethylbenzene	2.83	0.0250	2.50		113	70-130	5.55	27	
Toluene	2.89	0.0250	2.50		115	70-130	5.68	24	
o-Xylene	2.97	0.0250	2.50		119	70-130	5.32	27	
p,m-Xylene	5.70	0.0500	5.00		114	70-130	5.41	27	
Total Xylenes	8.68	0.0250	7.50		116	70-130	5.38	27	
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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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 (2304055-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2304055-BS2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS Dup (2304055-BSD2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	4.13	20	
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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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 (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2304056-BS2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2304056-BSD2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	58.2	20.0	50.0		116	70-130	6.39	20	
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304059-BLK1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

LCS (2304059-BS1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

Matrix Spike (2304059-MS1)

Source: E301138-02

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.0	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			

Matrix Spike Dup (2304059-MSD1)

Source: E301138-02

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132	5.22	20	
Surrogate: n-Nonane	48.5		50.0		97.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304060-BLK1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS (2304060-BS1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			

Matrix Spike (2304060-MS1)

Source: E301139-05

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			

Matrix Spike Dup (2304060-MSD1)

Source: E301139-05

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	3.67	20	
Surrogate: n-Nonane	46.2		50.0		92.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305002-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride ND 20.0

LCS (2305002-BS1)

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride 257 20.0 250 103 90-110

LCS Dup (2305002-BSD1)

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride 254 20.0 250 101 90-110 1.35 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Marwari 28 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/31/2023 3:49:15PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305004-BLK1)

Prepared: 01/30/23 Analyzed: 01/31/23

Chloride	ND	20.0							
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LCS (2305004-BS1)

Prepared: 01/30/23 Analyzed: 01/31/23

Chloride	250	20.0	250		100	90-110			
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LCS Dup (2305004-BSD1)

Prepared: 01/30/23 Analyzed: 01/31/23

Chloride	247	20.0	250		98.6	90-110	1.44	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:	Marwari 28 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:49

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>Marwan 28 CTB 1</u> Project Manager: Tom Bynum Address: 56 14 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:	Bill To		Lab Use Only				TAT			EPA Program		
	Attention: _____		Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA
	Address: _____		E 301130 01058-0007				<input checked="" type="checkbox"/>					
	City, State, Zip _____		Analysis and Method									
Phone: _____		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	
Email: _____		State										
Pima Project # <u>1-139</u>		NM		CO	UT	AZ	TX					
		Remarks										

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1:35	1/26/23	S	1	CS11	11							X		
1:40				CSW1	12									
1:45				CSW2	13									
1:50				CSW3	14									
1:55				CSW4	15									
2:00				CSW5	16									
2:05				CSW6	17									
2:10				CSW7	18									
2:15				CSW8	19									
2:20				CSW9	20									

Additional Instructions:

Bill To Devon: 21059023

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

Sampled by: Audriana Benavidez

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

Relinquished by: (Signature) <u>AB</u>	Date <u>1-27-23</u>	Time <u>9:00</u>	Received by: (Signature) <u>Michele Goyles</u>	Date <u>1-27-23</u>	Time <u>11:45</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
Relinquished by: (Signature) <u>Michele Goyles</u>	Date <u>1-27-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Devon 3183</u>	Date <u>01/28/23</u>	Time <u>7:30</u>	
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.



Client: Pima Environmental Services Project: <u>Maricopa 28 CTB</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:	Bill To		Lab Use Only		TAT				EPA Program											
	Attention: _____		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA										
	Address: _____		<u>E 301138</u>	<u>01058-0007</u>	<input checked="" type="checkbox"/>															
	City, State, Zip _____		Analysis and Method								RCRA									
	Phone: _____		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX										
Email: _____		State																		
Pima Project # <u>1-139</u>		<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								NM	CO	UT	AZ	TX	<input checked="" type="checkbox"/>					
NM	CO	UT	AZ	TX																
<input checked="" type="checkbox"/>																				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
2:25	1/20/23	S	1	CSW10	21							<input checked="" type="checkbox"/>		
2:30				CSW11	22									
2:35				CSW12	23									
2:40				CSW13	24									
2:45				CSW14	25									

Additional Instructions: Bill to Devon: 21059023

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

Relinquished by: (Signature) <u>AB</u>	Date <u>1-27-23</u>	Time <u>9:00</u>	Received by: (Signature) <u>Michelle Cuyler</u>	Date <u>1-27-23</u>	Time <u>11:45</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
Relinquished by: (Signature) <u>Michelle Cuyler</u>	Date <u>1-27-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Drene Z...</u>	Date <u>01/28/23</u>	Time <u>7:30</u>	
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: 1/30/2023 8:24:09AM

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: 01/28/23 07:30 Work Order ID: E301138
Phone: (575) 631-6977 Date Logged In: 01/27/23 13:27 Logged In By: Raina Schwanz
Email: tom@pimaoil.com Due Date: 01/30/23 17:00 (0 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

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.

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 193443

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 193443
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/15/2023