

Incident ID	NAB1715035797
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?	<u><50</u> (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 checked="" type="checkbox"/> Yes <input 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

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District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/10/2023

email: dale.woodall@dm.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 8/10/2023

Incident ID	NAB1715035797
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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: Environmental Professional

Signature: Dale Woodall Date: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 8/10/2023

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

August 7, 2023

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

Re: Site Assessment, and Closure Report
Coral PWU 28 4H
API No. 30-015-39328
GPS: Latitude 32.625395 Longitude -104.074521
UL -- P, Section 28, T19S, R29E
Eddy County, NM
NMOCD Ref. No. NAB1715035797

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 Coral PWU 28 4H (Coral). The initial C-141 was submitted on May 26, 2017 (Appendix C). This incident was assigned Incident ID NAB1715035797 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Coral is located approximately fourteen (14) miles southwest of Loco Hills, NM. This spill site is in Unit P, Section 28, Township 19S, Range 29E, Latitude 32.625395 Longitude -104.074521, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of piedmont-slope deposits. Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reeves-Gypsum land complex, 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 high potential for karst geology to be present around the Coral (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 60 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 116 feet BGS. The closest waterway is a Salt Playa located approximately 4.75 miles to the southeast 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' High Karst	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.

Coral PWU 28 4H|Devon Energy

Release Information

NAB1715035797: On July 14, 2016, a hole developed on the fire tube on a heater treater from normal wear and tear resulting in a fire on location. Causing fluid to be released. The released fluids were calculated to be approximately 20 barrels (bbls) of produced water. Loco Hills Fire Department extinguished the fire. No fluids were able to be recovered.

Remediation Activities, Site Assessment, and Soil Sampling Results

On July 13, 2023, 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.

7-13-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -CORAL PWU 28 #004H								
Sample Date: 7/13/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S-1	1'	ND	ND	ND	ND	ND	ND	83.6
	3'	ND	ND	ND	ND	ND	ND	179
	4'	ND	ND	ND	ND	ND	ND	ND
S-2	1'	ND	ND	ND	ND	ND	ND	126
	3'	ND	ND	ND	ND	ND	ND	191
	4'	ND	ND	ND	ND	ND	ND	ND
S-3	1'	ND	ND	ND	ND	ND	ND	96.6
	3'	ND	ND	ND	ND	ND	ND	183
	4'	ND	ND	ND	ND	ND	ND	ND
S-4	1'	ND	ND	ND	ND	ND	ND	145
	3'	ND	ND	ND	ND	ND	ND	194
	4'	ND	ND	ND	ND	ND	ND	ND
S-5	1'	ND	ND	ND	ND	ND	ND	116
	3'	ND	ND	ND	ND	ND	ND	189
	4'	ND	ND	ND	ND	ND	ND	ND
S-6	1'	ND	ND	ND	ND	ND	ND	110
	3'	ND	ND	ND	ND	ND	ND	193
	4'	ND	ND	ND	ND	ND	ND	ND
SW 1	6"	ND	ND	ND	ND	ND	ND	ND
SW 2	6"	ND	ND	ND	ND	ND	ND	ND
SW 3	6"	ND	ND	ND	ND	ND	ND	ND
SW 4	6"	ND	ND	ND	ND	ND	ND	ND
SW 5	6"	ND	ND	ND	ND	ND	ND	ND
SW 6	6"	ND	ND	ND	ND	ND	ND	ND
SW 7	6"	ND	ND	ND	ND	ND	ND	ND
SW 8	6"	ND	ND	ND	ND	ND	ND	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. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAB1715035797, 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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map



3-Karst Map

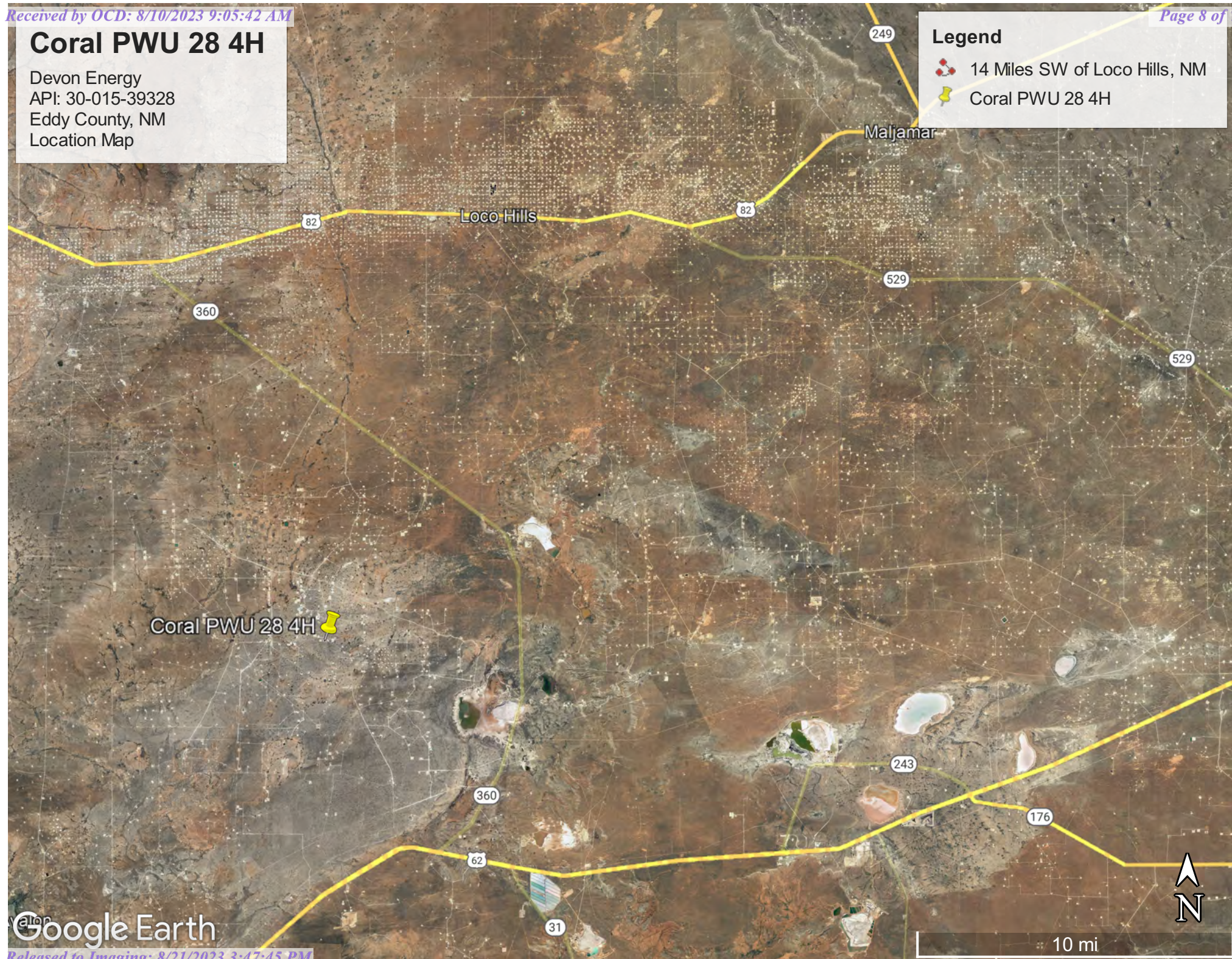
4-Site Map

Coral PWU 28 4H

Devon Energy
API: 30-015-39328
Eddy County, NM
Location Map

Legend


-  14 Miles SW of Loco Hills, NM
-  Coral PWU 28 4H

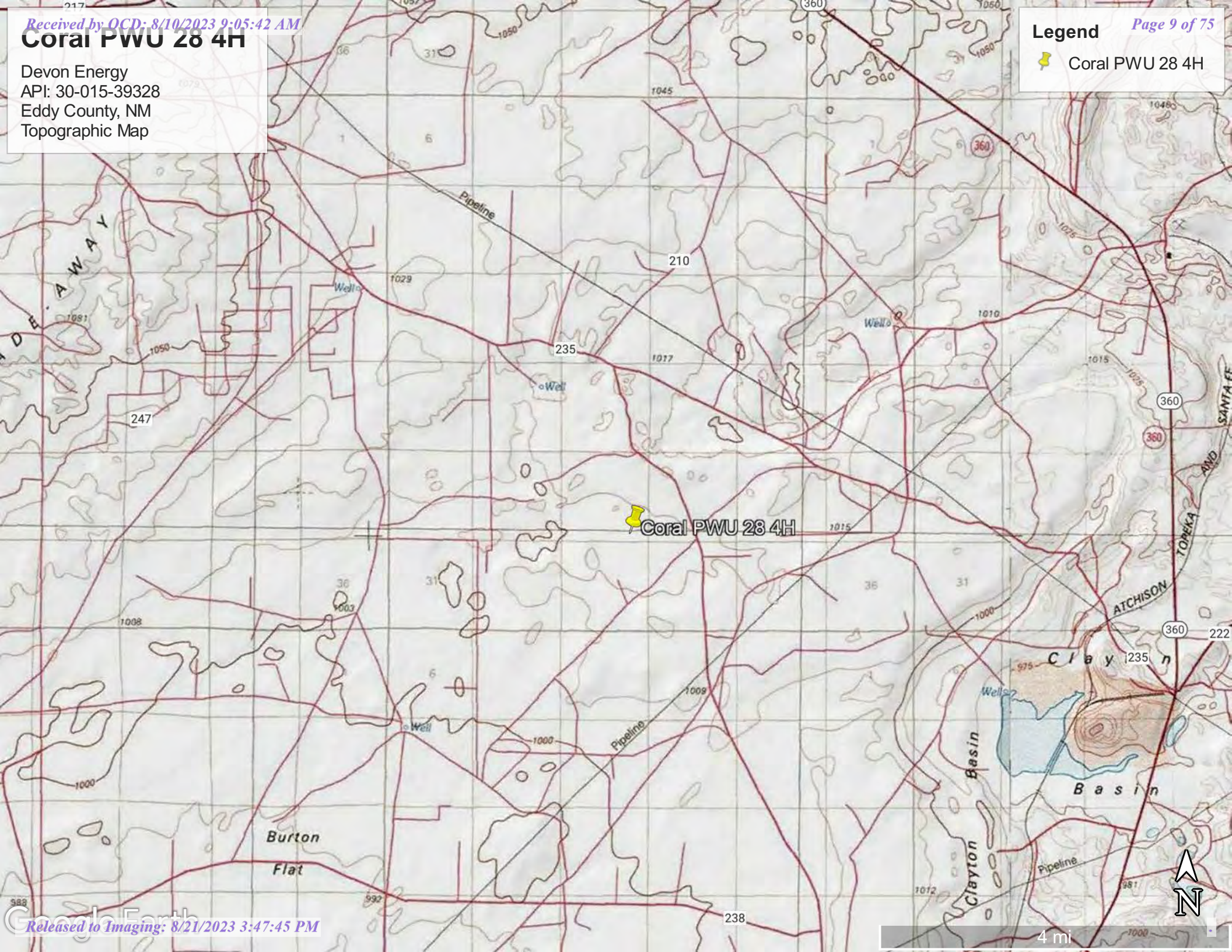


Coral PWU 28 4H

Devon Energy
API: 30-015-39328
Eddy County, NM
Topographic Map

Legend


 Coral PWU 28 4H





Coral PWU 28 4H


Devon Energy
API: 30-015-39328
Eddy County, NM
Karst Map

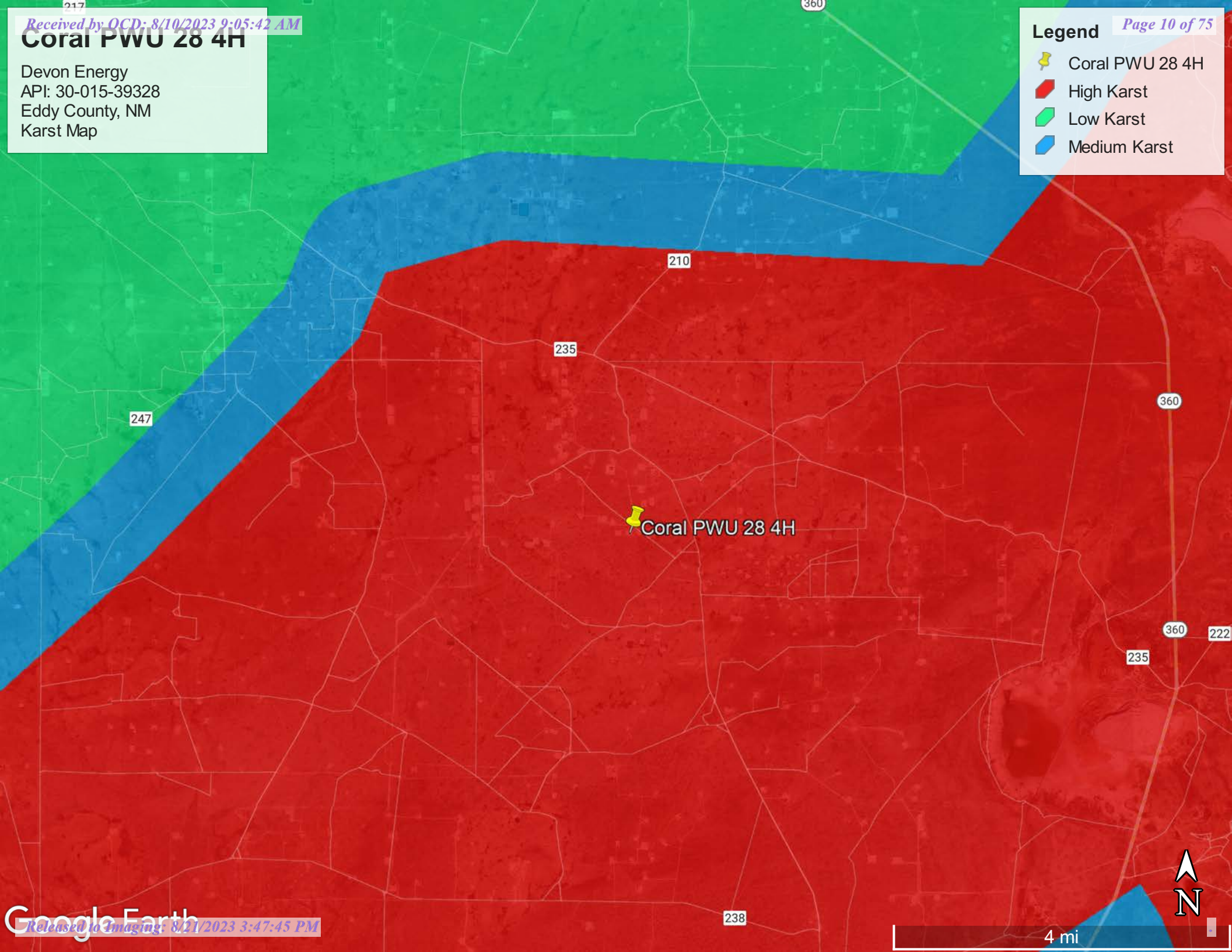
Legend

 Coral PWU 28 4H

 High Karst

 Low Karst





 Medium Karst



Coral PWU 28 4H

Devon Energy
API:30-015-39328
Eddy County, NM
Site Map

Legend

-  Coral PWU 28 4H
-  Samples
-  Sidewalls
-  Spill area



100 ft



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
CP 00681		CP	ED	1	1	3	34	19S	29E	587230	3609127*	1089			
CP 00741		CP	ED	1	3	2	34	19S	29E	588030	3609533*	1352	230	60	170
CP 00830 POD1		CP	LE	2	1	04	20S	29E	586118	3608193*	2066	120			
CP 00698 POD1		CP	ED	3	1	03	20S	29E	587393	3608010	2202				
CP 00743 POD1		CP	ED	2	4	05	20S	29E	585319	3607382*	3137	160			
CP 00739 POD1		CP	ED	3	4	4	35	19S	29E	590068	3608622	3583	200	110	90
CP 00831 POD1		CP	LE	2	2	10	20S	29E	588548	3606605*	3931	100			
CP 00703 POD1		CP	ED	4	1	36	19S	29E	591050	3609382	4296	225	115	110	
CP 01231 POD1		CP	ED	4	4	2	36	19S	28E	582311	3609372	4573	300	75	225
CP 00821 POD1		CP	LE	4	4	25	19S	29E	591743	3610248*	4923	120			

Average Depth to Water: **90 feet**

Minimum Depth: **60 feet**

Maximum Depth: **115 feet**

Record Count: 10

UTM NAD83 Radius Search (in meters):

Easting (X): 586820.35

Northing (Y): 3610136.91

Radius: 5000

*UTM location was derived from PLSS - see Help

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



[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 =

- 323731104011801

Minimum number of levels = 1

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

USGS 323731104011801 19S.29E.25.44332

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°37'31", Longitude 104°01'18" NAD27

Land-surface elevation 3,322 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

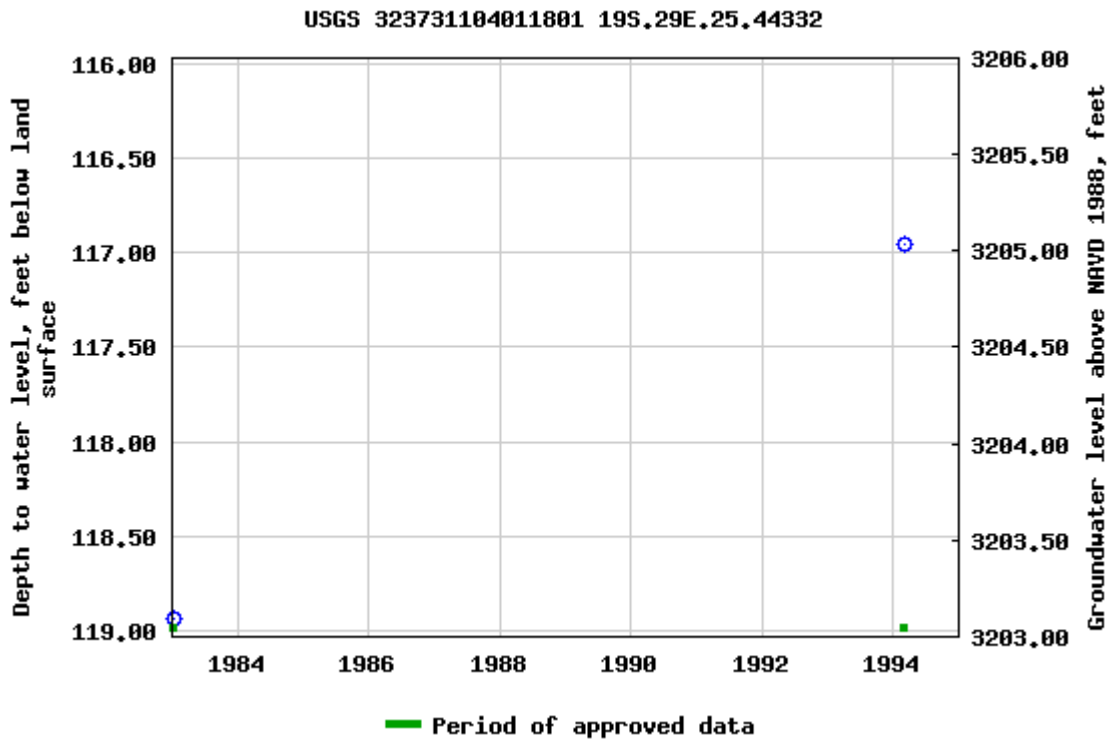
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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[Questions about sites/data?](#)

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

Title: Groundwater for USA: Water Levels

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



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


Page Last Modified: 2023-02-20 14:18:49 EST


0.57 0.5 nadww01

Coral PWU 28 4H

Devon Energy
API: 30-015-39328
Eddy County, NM
Surface Water Map

Legend

 4.75 Miles

 Coral PWU 28 4H





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f

Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent

Minor components: 15 percent

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

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)



Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land**Setting**

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components**Largo**

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



104°4'47"W 32°37'47"N



Legend

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

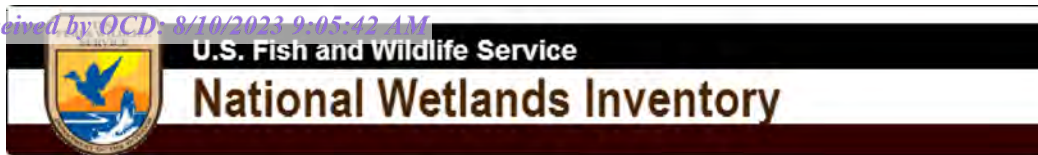
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of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

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 2/20/2023 at 2:20 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



February 20, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

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

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

Received 7/18/2016
NMOCD Dist 2

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

NAB1715035797

OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company Devon Energy Production Company <i>6/37</i>		Contact Danny Velo, Production Foreman	
Address 6488 Seven Rivers Hwy Artesia, NM 88210		Telephone No. 575.703.3360	
Facility Name Coral PWU 28 4H		Facility Type Oil Well	
Surface Owner State		Mineral Owner State	API No 30-015-39328

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	28	19S	29E	330	FSL	990	FEL	Eddy

Latitude: 32.625395

Longitude: -104.074521

NATURE OF RELEASE

Type of Release Produced Water (PW)	Volume of Release 20BBLS	Volume Recovered 0BBLS
Source of Release Hole in the fire tubing on heater treater	Date and Hour of Occurrence 7/14/2016 @ 10:00AM	Date and Hour of Discovery 7/14/2016 @ 10:00AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD-Mike Bratcher	
By Whom? Jesse Armendariz, Assistant Production Foreman	Date and Hour OCD-Mike Bratcher-7/14/2016@ 11:30AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

20 BBLS of PW was released due to hole in the fire tubing on heater treater from normal wear and tear resulting in a fire on location. Loco Hills Fire Department was contacted and extinguished the fire. All tubing and casing on the Coral 28- 1, 2, 3, 4, 5, 6, and 7 were shut in and the inlet and outlet valves on the vessels from the production heater were also shut in to prevent further release. All battery power was shut off at disconnect and Supervisory Control and Data Acquisition Tech (SCADA) disconnected battery power to SCADA Panel. Repairs will be made.

Describe Area Affected and Cleanup Action Taken.*

20BBLS PW released from a hole in the fire tubing on the heater treater. 0BBLS PW were recovered. The North East Side of location was where the fire occurred originating from the heater treater and the approximate total affected area is 113ft by 90ft all contained on pad. An environmental company will be contacted for remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Dana DeLaRosa</i>	OIL CONSERVATION DIVISION	
Printed Name: Dana DeLaRosa	Signed By: <i>Mike Bratcher</i>	
Title: Field Admin Support	Approved by Environmental Specialist:	
E-mail Address: dana.delarosa@dvn.com	Approval Date: <i>5/26/17</i>	Expiration Date: <i>N/A</i>
Date: 7/18/2016 Phone: 575.746.5594	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <i>6/26/17</i>	

* Attach Additional Sheets If Necessary

Note: Late entry by OCD

2RP-4229

Bratcher, Mike, EMNRD

From: DeLaRosa, Dana <Dana.DeLaRosa@dvn.com>
Sent: Monday, July 18, 2016 9:07 AM
To: Bratcher, Mike, EMNRD; agroves@slo.state.nm.us
Subject: Coral PWU 28 4H_20BBLS PW_7.14.16
Attachments: Coral PWU 28 #4H_20BBLS PW, 7.14.16_Intial C141.doc; Coral PWU 28 #4H_20BBLS PW, 7.14.16_GIS Image.pdf; Coral PWU 28 4H_Pic 1 of 2.jpg; Coral PWU 28 4H_Pic 2 of 2.jpg

Good morning,

Attached is the Initial C141, GIS Image and photos for the 20BBL produced water release that occurred on 7.14.2016 at the Coral PWU 28 4H. The red dot on the GIS Image represents the approximate origin of release.

Thank you,

Dana DeLaRosa

Field Admin Support
Production
B-Schedule



Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575-746-5594

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

Incident ID	NAB1715035797
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?	<u><50</u> (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 checked="" type="checkbox"/> Yes <input 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

Incident ID	NAB1715035797
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NAB1715035797
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 8/10/2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 8/10/2023

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: Jocelyn Harimon Date: 8/21/2023
Printed Name: Jocelyn Harimon Title: Environmental Specialist



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
CORAL PWU 28 4H**

Site Assessment





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: Coral PWU 28 #004H

Work Order: E307084

Job Number: 01058-0007

Received: 7/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/24/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/24/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Coral PWU 28 #004H
Workorder: E307084
Date Received: 7/18/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/18/2023 8:15:00AM, under the Project Name: Coral PWU 28 #004H.

The analytical test results summarized in this report with the Project Name: Coral PWU 28 #004H 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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 3'	7
S1 - 4'	8
S2 - 1'	9
S2 - 3'	10
S2 - 4'	11
S3 - 1'	12
S3 - 3'	13
S3 - 4'	14
S4 - 1'	15
S4 - 3'	16
S4 - 4'	17
S5 - 1'	18
S5 - 3'	19
S5 - 4'	20
S6 - 1'	21
S6 - 3'	22
S6 - 4'	23
SW1	24
SW2	25

Table of Contents (continued)

SW3	26
SW4	27
SW5	28
SW6	29
SW7	30
SW8	31
QC Summary Data	32
QC - Volatile Organics by EPA 8021B	32
QC - Nonhalogenated Organics by EPA 8015D - GRO	34
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	36
QC - Anions by EPA 300.0/9056A	38
Definitions and Notes	40
Chain of Custody etc.	41

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/24/23 13:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E307084-01A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S1 - 3'	E307084-02A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S1 - 4'	E307084-03A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S2 - 1'	E307084-04A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S2 - 3'	E307084-05A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S2 - 4'	E307084-06A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S3 - 1'	E307084-07A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S3 - 3'	E307084-08A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S3 - 4'	E307084-09A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S4 - 1'	E307084-10A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S4 - 3'	E307084-11A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S4 - 4'	E307084-12A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S5 - 1'	E307084-13A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S5 - 3'	E307084-14A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S5 - 4'	E307084-15A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S6 - 1'	E307084-16A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S6 - 3'	E307084-17A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
S6 - 4'	E307084-18A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW1	E307084-19A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW2	E307084-20A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW3	E307084-21A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW4	E307084-22A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW5	E307084-23A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW6	E307084-24A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW7	E307084-25A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.
SW8	E307084-26A	Soil	07/13/23	07/18/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Coral PWU 28 #004H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/24/2023 1:48:33PM
---	--	---

S1 - 1'

E307084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.6 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	83.6	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S1 - 3'

E307084-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.8 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	106 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	179	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S1 - 4'

E307084-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.6 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S2 - 1'

E307084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.9 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	126	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S2 - 3'

E307084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.5 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	191	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S2 - 4'

E307084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S3 - 1'

E307084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/18/23	
Toluene	ND	0.0250	1	07/18/23	07/18/23	
o-Xylene	ND	0.0250	1	07/18/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.8 %	70-130		07/18/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	96.6	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S3 - 3'

E307084-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.8 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	111 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	183	40.0	2	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S3 - 4'

E307084-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S4 - 1'

E307084-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.4 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	145	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S4 - 3'

E307084-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.9 %</i>	<i>70-130</i>		<i>07/18/23</i>	<i>07/19/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>83.9 %</i>	<i>70-130</i>		<i>07/18/23</i>	<i>07/19/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	<i>112 %</i>	<i>50-200</i>		<i>07/20/23</i>	<i>07/21/23</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	194	40.0	2	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S4 - 4'

E307084-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.1 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.8 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>	115 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S5 - 1'

E307084-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	116	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S5 - 3'

E307084-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	189	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S5 - 4'

E307084-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.6 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S6 - 1'

E307084-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/20/23	07/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	110	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S6 - 3'

E307084-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.9 %</i>	<i>70-130</i>		<i>07/18/23</i>	<i>07/19/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>84.8 %</i>	<i>70-130</i>		<i>07/18/23</i>	<i>07/19/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329060	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>	<i>119 %</i>	<i>50-200</i>		<i>07/20/23</i>	<i>07/22/23</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329028	
Chloride	193	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

S6 - 4'

E307084-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.6 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		07/20/23	07/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW1

E307084-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.0 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		07/20/23	07/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW2

E307084-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Benzene	ND	0.0250	1	07/18/23	07/19/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/19/23	
Toluene	ND	0.0250	1	07/18/23	07/19/23	
o-Xylene	ND	0.0250	1	07/18/23	07/19/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/19/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/18/23	07/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		07/20/23	07/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329028
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW3

E307084-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
		90.2 %	50-200	07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329027
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW4

E307084-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
		87.2 %	50-200	07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329027
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW5

E307084-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
		88.6 %	50-200	07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329027
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW6

E307084-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329027
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW7

E307084-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329022
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.4 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
		91.2 %	50-200	07/20/23	07/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329027
Chloride	ND	20.0	1	07/18/23	07/19/23	



Sample Data

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

Project Name: Coral PWU 28 #004H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/24/2023 1:48:33PM

SW8

E307084-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2329022	
Benzene	ND	0.0250	1	07/18/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/18/23	07/20/23	
Toluene	ND	0.0250	1	07/18/23	07/20/23	
o-Xylene	ND	0.0250	1	07/18/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/18/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/18/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2329022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/18/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.4 %	70-130	07/18/23	07/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2329068	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>		94.5 %	50-200	07/20/23	07/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2329027	
Chloride	ND	20.0	1	07/18/23	07/19/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

Volatile Organics by EPA 8021B

Analyst: RKS

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 (2329021-BLK1)

Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS (2329021-BS1)

Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.86	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.87	0.0250	5.00		97.4	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Matrix Spike (2329021-MS1)

Source: E307084-07

Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.82	0.0250	5.00	ND	96.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.3	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Matrix Spike Dup (2329021-MSD1)

Source: E307084-07

Prepared: 07/18/23 Analyzed: 07/18/23

Benzene	4.84	0.0250	5.00	ND	96.8	54-133	0.346	20	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133	0.719	20	
Toluene	4.87	0.0250	5.00	ND	97.3	61-130	0.347	20	
o-Xylene	4.83	0.0250	5.00	ND	96.5	63-131	0.641	20	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131	0.535	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131	0.570	20	
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

Volatile Organics by EPA 8021B

Analyst: RKS

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 (2329022-BLK1)

Prepared: 07/18/23 Analyzed: 07/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

LCS (2329022-BS1)

Prepared: 07/18/23 Analyzed: 07/20/23

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.3	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.69	0.0250	5.00		93.8	70-130			
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2329022-MS1)

Source: E307084-22

Prepared: 07/18/23 Analyzed: 07/20/23

Benzene	4.55	0.0250	5.00	ND	91.0	54-133			
Ethylbenzene	4.47	0.0250	5.00	ND	89.3	61-133			
Toluene	4.60	0.0250	5.00	ND	91.9	61-130			
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131			
p,m-Xylene	9.26	0.0500	10.0	ND	92.6	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike Dup (2329022-MSD1)

Source: E307084-22

Prepared: 07/18/23 Analyzed: 07/20/23

Benzene	4.90	0.0250	5.00	ND	98.0	54-133	7.46	20	
Ethylbenzene	4.79	0.0250	5.00	ND	95.7	61-133	6.95	20	
Toluene	4.94	0.0250	5.00	ND	98.7	61-130	7.16	20	
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131	6.21	20	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	6.62	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	6.48	20	
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2329021-BLK1)

Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			

LCS (2329021-BS2)

Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			

Matrix Spike (2329021-MS2)

Source: E307084-07

Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			

Matrix Spike Dup (2329021-MSD2)

Source: E307084-07

Prepared: 07/18/23 Analyzed: 07/18/23

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	83.0	70-130	0.762	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.80		8.00		85.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2329022-BLK1)

Prepared: 07/18/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS (2329022-BS2)

Prepared: 07/18/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			

Matrix Spike (2329022-MS2)

Source: E307084-22

Prepared: 07/18/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	39.5	20.0	50.0	ND	79.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		8.00		83.2	70-130			

Matrix Spike Dup (2329022-MSD2)

Source: E307084-22

Prepared: 07/18/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	37.4	20.0	50.0	ND	74.8	70-130	5.45	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

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 (2329060-BLK1)

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.4		50.0		115	50-200			

LCS (2329060-BS1)

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	274	25.0	250		109	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2329060-MS1)

Source: E307084-15

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike Dup (2329060-MSD1)

Source: E307084-15

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.547	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

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 (2329068-BLK1)					Prepared: 07/20/23 Analyzed: 07/21/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	73.4		50.0		147	50-200			

LCS (2329068-BS1)					Prepared: 07/20/23 Analyzed: 07/21/23				
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	67.1		50.0		134	50-200			

Matrix Spike (2329068-MS1)					Source: E307073-08		Prepared: 07/20/23 Analyzed: 07/21/23		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	69.7		50.0		139	50-200			

Matrix Spike Dup (2329068-MSD1)					Source: E307073-08		Prepared: 07/20/23 Analyzed: 07/21/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	3.26	20	
Surrogate: n-Nonane	65.9		50.0		132	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2329027-BLK1)					Prepared: 07/18/23 Analyzed: 07/19/23				
Chloride	ND	20.0							
LCS (2329027-BS1)					Prepared: 07/18/23 Analyzed: 07/20/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2329027-MS1)					Source: E307084-21		Prepared: 07/18/23 Analyzed: 07/19/23		
Chloride	237	20.0	250	ND	94.9	80-120			
Matrix Spike Dup (2329027-MSD1)					Source: E307084-21		Prepared: 07/18/23 Analyzed: 07/19/23		
Chloride	251	20.0	250	ND	100	80-120	5.73	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/24/2023 1:48:33PM

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 (2329028-BLK1)					Prepared: 07/18/23 Analyzed: 07/19/23				
Chloride	ND	20.0							
LCS (2329028-BS1)					Prepared: 07/18/23 Analyzed: 07/20/23				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2329028-MS1)					Source: E307084-01		Prepared: 07/18/23 Analyzed: 07/19/23		
Chloride	392	20.0	250	83.6	123	80-120			M2
Matrix Spike Dup (2329028-MSD1)					Source: E307084-01		Prepared: 07/18/23 Analyzed: 07/19/23		
Chloride	403	20.0	250	83.6	128	80-120	2.76	20	M2

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Coral PWU 28 #004H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/24/23 13:48

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: Coral PWU 28 #004H 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: Dexon Address: City, State, Zip: Phone: Email: Pima Project # 1-116-5					Lab Use Only Lab Work# E307084 Job Number 20658-0007				TAT 1D 2D 3D Standard X				EPA Program CWA SDWA	
										Analysis and Method				RCRA		State NM CO UT AZ TX			
										DRO/RO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX				Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
8:00	7/13	S	1	S1-1'	1	<div style="position: relative; height: 200px;"> X </div>													
8:05				S1-3'	2														
8:10				S1-4'	3														
8:15				S2-1'	4														
8:20				S2-3'	5														
8:25				S2-4'	6														
8:30				S3-1'	7														
8:35				S3-3'	8														
8:40				S3-4'	9														
8:45				S4-1'	10														
Additional Instructions: Billing# 21141010						I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.													
Relinquished by: (Signature) <i>Kerrine Adams</i> Date 7/17/23 Time 2:00						Received by: (Signature) <i>Michelle Camp</i> Date 7-17-23 Time 1400													
Relinquished by: (Signature) <i>Michelle Camp</i> Date 7-17-23 Time 1730						Received by: (Signature) <i>Michelle Camp</i> Date 7-17-23 Time 1730													
Relinquished by: (Signature) <i>Michelle Camp</i> Date 7-17-23 Time 2300						Received by: (Signature) <i>Michelle Camp</i> Date 7/18/23 Time 8:15													
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.																			


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Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: <u>Cora Rd 28 #004H</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-116-5</u>					Lab Use Only Lab Work: <u>E 367084</u> Job Number: <u>01057-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
8:50	7/13	S	1	54-3'	11															
8:55				54-4'	12															
9:00				55-1'	13															
9:05				55-3'	14															
9:10				55-4'	15															
9:15				56-1'	16															
9:20				56-3'	17															
9:25				56-4'	18															
9:30				SW1	19															
9:35				SW2	20															

Additional Instructions: Billing # 21141016

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>Grime, Adame</u>		Date <u>7/17/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Conys</u>		Date <u>7-17-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	
Relinquished by: (Signature) <u>Michelle Conys</u>		Date <u>7-17-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Alison Musso</u>		Date <u>7-17-23</u>	Time <u>1730</u>		
Relinquished by: (Signature) <u>Alison Musso</u>		Date <u>7-17-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Autla Mar</u>		Date <u>7/18/23</u>	Time <u>8:15</u>		

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

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

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services
 Project: Coral PWS 28 #0047
 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

Address:

City, State, Zip

Phone:

Email:

Pima Project # 1-116-5E357084 CM 7/18/23

Client Information					Lab Use Only		TAT				EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Lab Work	Job Number	1D	2D	3D	Standard	CWA	SDWA
9:40	7/13	S	1	SW3	21								
9:45				SW4	22								
9:50				SW5	23								
9:55				SW6	24								
10:00				SW7	25								
10:05				SW8	26								

Additional Instructions:

Billing #21141010

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:

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>Karime Frame</u>		<u>7/17/23</u>	<u>8:00</u>	<u>Michelle Campbell</u>		<u>7-17-23</u>	<u>1400</u>	Received on ice: <u>(Y)</u> N	
<u>Michelle Campbell</u>		<u>7-17-23</u>	<u>1730</u>	<u>Michelle Campbell</u>		<u>7-17-23</u>	<u>1730</u>	T1 T2 T3	
<u>Michelle Campbell</u>		<u>7-17-23</u>	<u>2300</u>	<u>Michelle Campbell</u>		<u>7/18/23</u>	<u>8:15</u>	AVG Temp °C <u>4</u>	

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

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

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



Envirotech Analytical Laboratory

Printed: 7/18/2023 10:57:40AM

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:	07/18/23 08:15	Work Order ID:	E307084
Phone:	(575) 631-6977	Date Logged In:	07/18/23 09:19	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/24/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample 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? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 250508

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 250508
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/21/2023