



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

March 3rd, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
Aquila 22 Fed Com 4H
API No. 30-015-41159
GPS: Latitude 32.6442938 Longitude -103.8492756
UL -- I, Sec. 22, T19S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1517455620

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 Aquila 22 Fed Com 4H (Aquila). The initial C-141 was submitted on June 23rd, 2015 (Appendix C). This incident was assigned Incident ID NAB1517455620 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Aquila is located approximately fourteen (14) miles southeast of Loco Hills, NM. This spill site is in Unit I, Section 22, Township 19S, Range 31E, Latitude 32.6442938 Longitude -103.8492756, Eddy County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 130 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 166 feet BGS. The closest waterway is an unnamed salt playa, located approximately 6.29 miles to the northwest of this location. See Appendix A for referenced water surveys.

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

Reference Figure 2 for a Topographic Map.

Release Information

NAB1517455620: On June 16th, 2015, the well parted above the polish rod which caused the rods to then fall thru the polish rod itself, which in turn caused a release of 5 barrels mix of oil and produced water on location and 5 barrels mist into the pasture. Approximately 2 barrels was recovered. The well was shut and a new valve and plug was installed.

Remediation Activities, Site Assessment, and Soil Sampling Results

On February 17th, 2023, Pima Environmental mobilized personnel to the Aquila to assess the impacted area. Pima sampled the areas surrounding the polish rod release and collected a total of nineteen soil samples for laboratory analysis. Seven bottom samples (S1-S7) were collected at depths of 1 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. One background sample (BG-1) was collected to assess naturally occurring Chloride levels. An initial site map can be found in Figure 4.

2-17-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - AQUILLA 22 FED COM 4H									
NM Approved Laboratory Results									
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-2	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-3	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-4	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-5	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-6	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
S-7	2/17/2023	1'	ND	ND	ND	ND	ND	ND	ND
		4'	ND	ND	ND	ND	ND	ND	ND
SW 1	2/17/2023	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
BG-1		6"	ND	ND	ND	ND	ND	ND	ND

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. We believe the impacted area has been adequately remediated. See Appendix D for Photographic Documentation.

Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NAB1517455620 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 Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Initial 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

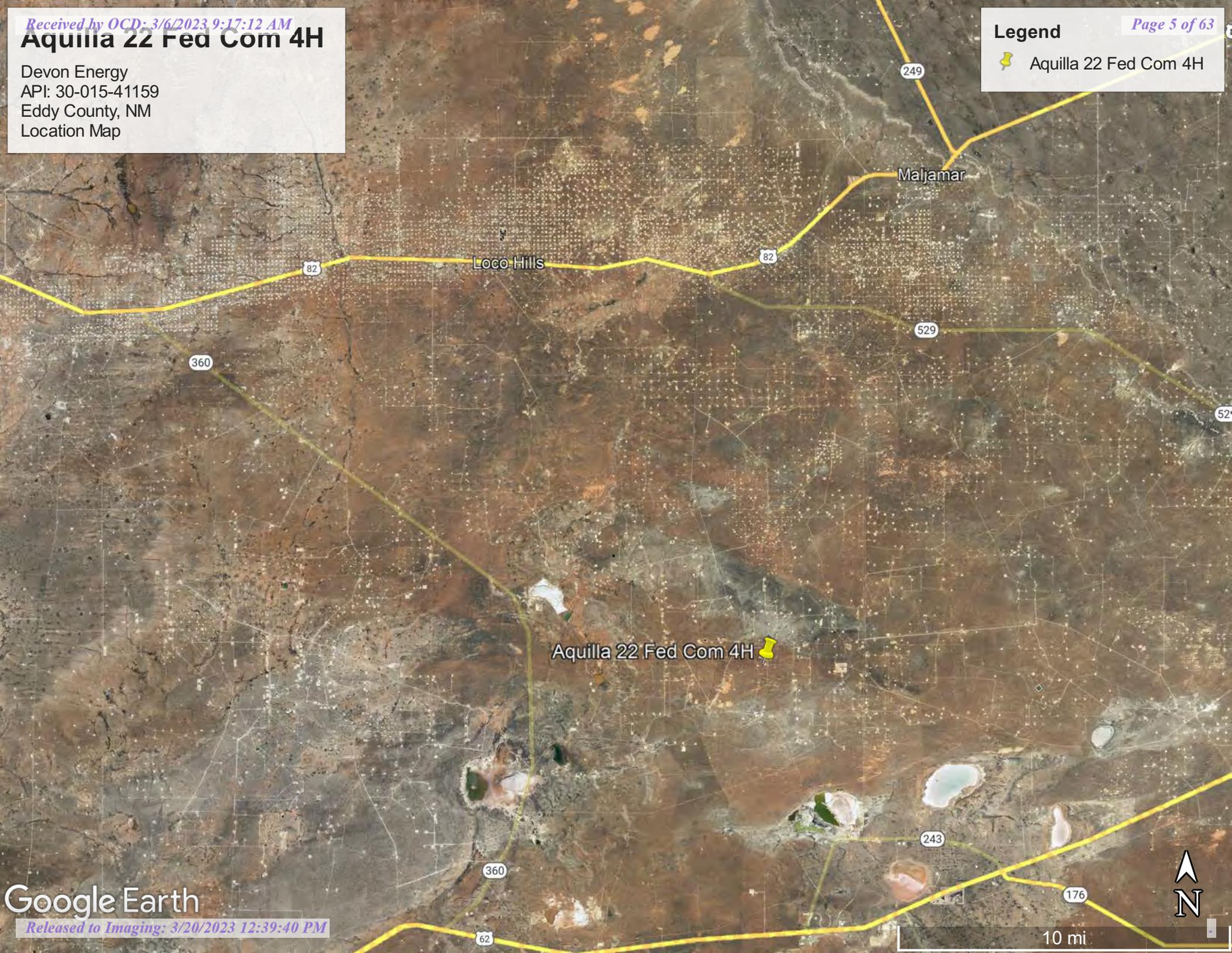
4-Site Map

Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Location Map

Legend

 Aquilla 22 Fed Com 4H

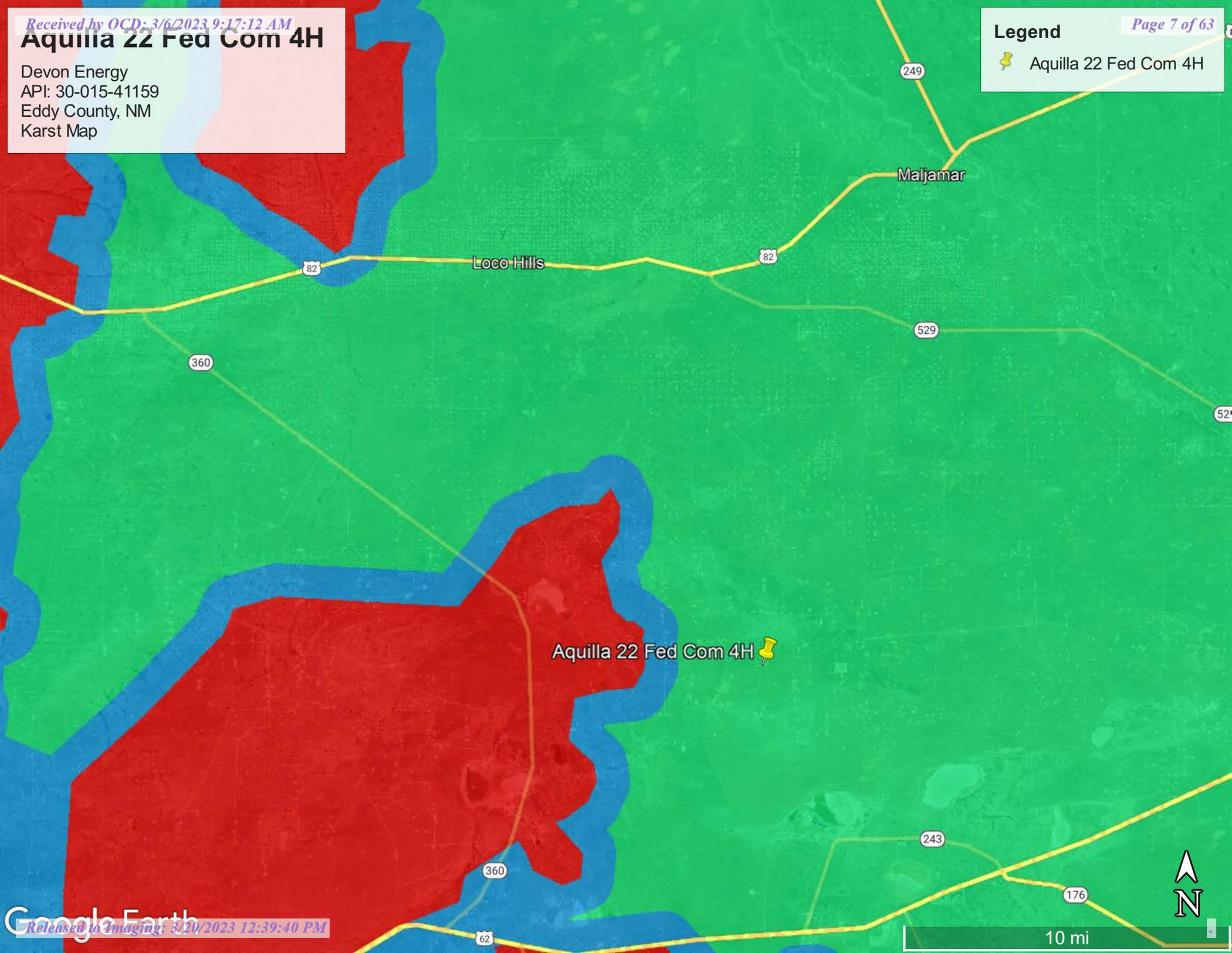


Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Karst Map

Legend

-  Aquilla 22 Fed Com 4H

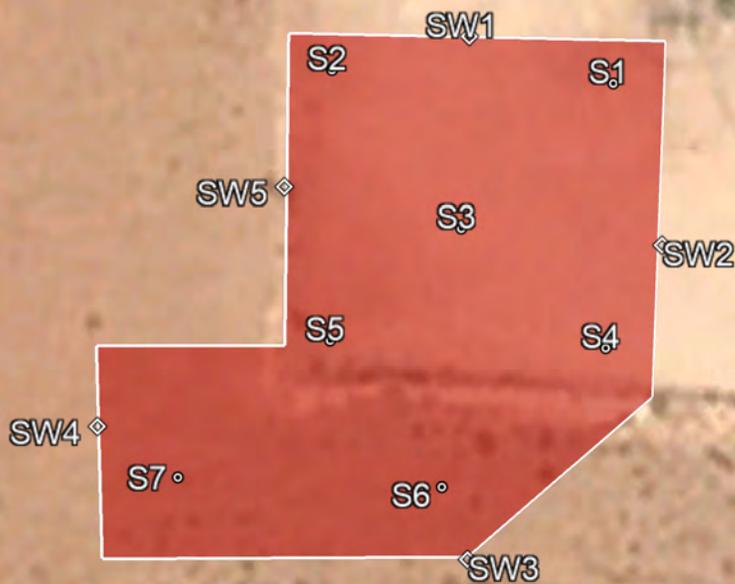


Aquila 22 Fed Com 4H

Devon Energy
API:30-015-41159
Eddy County, NM
NAB1517455620
Site Map

Legend

-  5620 Release Area
-  Side Wall Sample
-  Soil Sample





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	Q 22	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E		607165	3613322	1167	400		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E		607166	3613354	1192	400		
CP 00829 POD1		CP	LE		2	4	16	19S	31E		606165	3614009*	2361	120		
CP 01864 POD1		CP	ED	4	2	1	34	19S	31E		607068	3609824	2752	110		
CP 00642 POD1		CP	ED		2	2	25	19S	31E		611025	3611657*	3193	250		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E		605106	3610273*	3557	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E		605106	3610273*	3557	200		
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E		604906	3610473*	3605	231		
CP 00641 POD1		CP	ED		4	1	36	19S	31E		610247	3609634*	3638	300	130	170
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E		605519	3609673*	3668	220	140	80
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E		605111	3610071*	3680	139		
CP 00563 POD1		CP	LE	1	1	2	19	19S	32E		612118	3613376*	4292	300		
CP 00640 POD1		CP	LE		2	2	19	19S	32E		612621	3613280*	4766	260	102	158

Average Depth to Water: **124 feet**
 Minimum Depth: **102 feet**
 Maximum Depth: **140 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 607929

Northing (Y): 3612438.54

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.

1/24/23 9:37 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 323810103511401

Minimum number of levels = 1

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

USGS 323810103511401 19S.31E.27.214121

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°51'14" NAD27

Land-surface elevation 3,480 feet above NGVD29

The depth of the well is 210.00 feet below land surface.

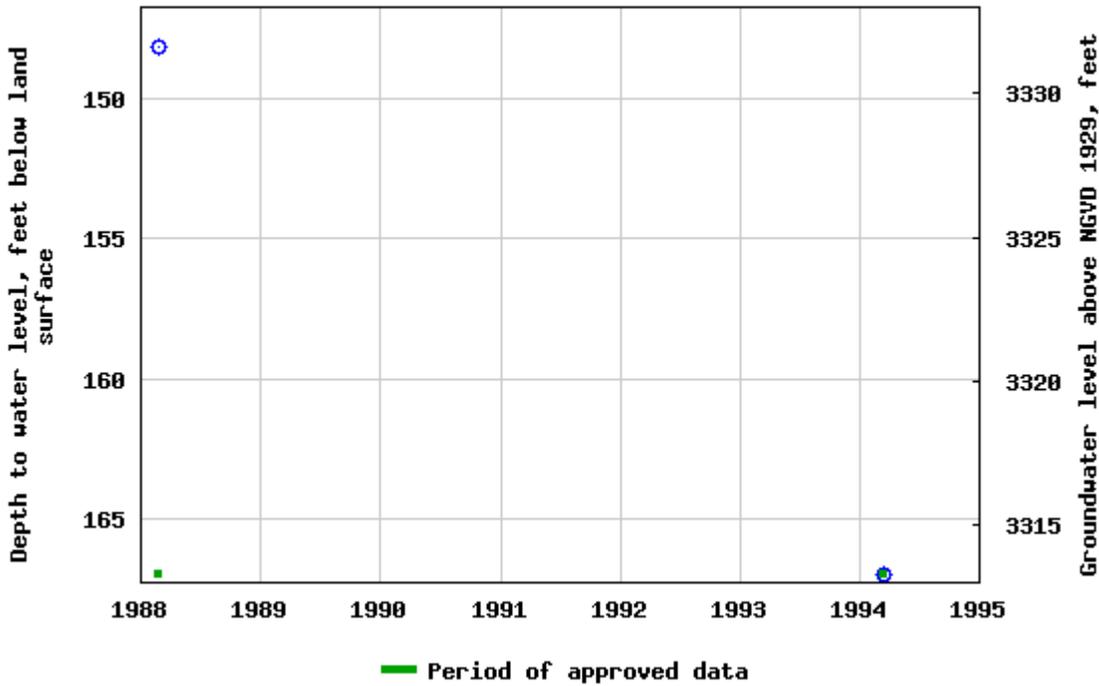
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

USGS 323810103511401 19S,31E,27,214121



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2023-01-24 11:33:55 EST

0.59 0.51 nadww01

Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Surface Water Map

Legend

-  6.29 Miles
-  Aquilla 22 Fed Com 4H



Salt Playa

Aquilla 22 Fed Com 4H

360





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
 Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline
 (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Interdunes, plains, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Kermit

Percent of map unit: 3 percent

Ecological site: Deep Sand (R042XC005NM)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMMette



103°51'16"W 32°38'56"N



Legend

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

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

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

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

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



0 250 500 1,500 2,000 Feet 1:6,000 103°50'39"W 32°38'25"N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/3/2023 at 12:13 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



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

January 24, 2023

Wetlands

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

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



Pima Environmental Services

Appendix C

C-141 Form

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

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

NAB1517455620

OPERATOR

Initial Report Final Report

Name of Company Devon Energy Production <i>10137</i>	Contact Rudy Zuniga
Address 6488 Seven Rivers Hwy Artesia, NM 88220	Telephone No. 575-390-5435
Facility Name Aquila 22 Fed Com 4H	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-41159
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LOCATION OF RELEASE

Unit Letter I	Section 22	Township 19S	Range 31E	Feet from the 2030	North/South Line FSL	Feet from the 225	East/West Line FEL	County Eddy
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Latitude: 32.6442938790538

Longitude: -103.849275635804

NATURE OF RELEASE

Type of Release Spill	Volume of Release 5.5bbl	Volume Recovered 2bbls
Source of Release wellhead parted	Date and Hour of Occurrence June 16, 2015 9:33 AM	Date and Hour of Discovery June 16, 2015 9:33 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos, BLM Mike Bratcher, OCD	
By Whom? Lynn Smith	Date and Hour Jim Amos, BLM June 16, 2015 10:28 AM Mike Bratcher, OCD June 16, 2015 10:32 AM	NM OIL CONSERVATION ARTESIA DISTRICT JUN 23 2015
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	RECEIVED

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

Describe Cause of Problem and Remedial Action Taken.*
On June 16, 2015 9:33 AM at the Aquila 22 Fed Com 4H the well parted above the polish rod which caused the rods to then fall down thru the polish rod itself which in turn then caused a release on location of 5bbls oil and produce water mix on location and a .5bbl mist into pasture. Shut well in and a new valve and plug was installed.

Describe Area Affected and Cleanup Action Taken.*
The spill was located on the Southwest corner of location and into the pasture. A vac truck was able to recover 2bbls oil and produced water from location. The contaminated dirt will be removed and replaced with fresh dirt and the wellhead and pasture will be pressure washed.

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>Sheila Fisher</i>	OIL CONSERVATION DIVISION	
Printed Name: Sheila Fisher	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Admin Support	Approval Date: <i>6/23/15</i>	Expiration Date: <i>N/A</i>
E-mail Address: Sheila.Fisher@dmv.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/>	
Date: _____ Phone: 575.748.1829	SUBMIT REMEDIATION PROPOSAL NO	

* Attach Additional Sheets If Necessary

LATER THAN: *7/24/15* *2RP-3045*

Incident ID	NAB1517455620
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAB1517455620
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: EHS Professional

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

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1517455620
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional
 Signature: Dale Woodall Date: 3-6-2023
 email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: OCD Date: 3/6/2023

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

Closure Approved by: Ashley Maxwell Date: 3/20/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist

Patterson, Heather, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Tuesday, June 23, 2015 7:48 AM
To: Jim Amos (jamos@blm.gov); jlrobertson@blm.gov; Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD
Cc: Fulks, Brett; Zuniga, Rudy; Smith, Lynn; Armendariz, Jesse; Mobley, Wade
Subject: Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_6.16.15
Attachments: C-141 Initial_Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_6.16.15.doc; Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_GIS Image_6.16.15.Word.docx; Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_photo 1 of 4_6.16.15.JPG; Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_photo 2 of 4_6.16.15.JPG; Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_photo 3 of 4_6.16.15.JPG; Aquila 22 Fed Com 4H_5.5bbl oil & produced water mix release_photo 4 of 4_6.16.15.JPG

Good Morning,

Attached please find the Initial C-141, GIS Image and photos for the 5.5bbl oil & produced water mix release at the Aquila 22 Fed Com 4H.

If you have any questions please feel free to contact me.

Thank you,

Sheila Fisher
Field Admin Support
Production
A-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct



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.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
AQUILA 22 FED COM #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: Aquila 22 Fed Com 4H

Work Order: E302090

Job Number: 01058-0007

Received: 2/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/24/23

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: 2/24/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Aquila 22 Fed Com 4H
Workorder: E302090
Date Received: 2/22/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2023 7:00:00AM, under the Project Name: Aquila 22 Fed Com 4H.

The analytical test results summarized in this report with the Project Name: Aquila 22 Fed Com 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Aquila 22 Fed Com 4H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
02/24/23 10:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E302090-01A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S6 - 4'	E302090-02A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S7 - 1'	E302090-03A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S7 - 4'	E302090-04A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW-1	E302090-05A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW-2	E302090-06A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW-3	E302090-07A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW-4	E302090-08A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW-5	E302090-09A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
BG1	E302090-10A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S1 - 1'	E302090-11A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S1 - 4'	E302090-12A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S2 - 1'	E302090-13A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S2 - 4'	E302090-14A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S3 - 1'	E302090-15A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S3 - 4'	E302090-16A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S4 - 1'	E302090-17A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S4 - 4'	E302090-18A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S5 - 1'	E302090-19A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S5 - 4'	E302090-20A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S6 - 1'

E302090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S6 - 4'

E302090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S7 - 1'

E302090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S7 - 4'

E302090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.4 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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SW-1

E302090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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SW-2

E302090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.3 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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SW-3

E302090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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SW-4

E302090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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SW-5

E302090-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.9 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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BG1

E302090-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S1 - 1'

E302090-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/22/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/22/23	
Toluene	ND	0.0250	1	02/22/23	02/22/23	
o-Xylene	ND	0.0250	1	02/22/23	02/22/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/22/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.4 %	70-130	02/22/23	02/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S1 - 4'

E302090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S2 - 1'

E302090-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S2 - 4'

E302090-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.4 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S3 - 1'

E302090-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.2 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S3 - 4'

E302090-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/22/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	02/22/23	02/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S4 - 1'

E302090-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/23/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	02/22/23	02/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S4 - 4'

E302090-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/23/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/22/23	02/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S5 - 1'

E302090-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/23/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	02/22/23	02/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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S5 - 4'

E302090-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Benzene	ND	0.0250	1	02/22/23	02/23/23	
Ethylbenzene	ND	0.0250	1	02/22/23	02/23/23	
Toluene	ND	0.0250	1	02/22/23	02/23/23	
o-Xylene	ND	0.0250	1	02/22/23	02/23/23	
p,m-Xylene	ND	0.0500	1	02/22/23	02/23/23	
Total Xylenes	ND	0.0250	1	02/22/23	02/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2308023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/23	02/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	02/22/23	02/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2308026
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/23	02/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/23	02/23/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/22/23	02/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2308025
Chloride	ND	20.0	1	02/22/23	02/22/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2308023-BLK1)

Prepared: 02/22/23 Analyzed: 02/22/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

LCS (2308023-BS1)

Prepared: 02/22/23 Analyzed: 02/22/23

Benzene	4.95	0.0250	5.00		99.0	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

Matrix Spike (2308023-MS1)

Source: E302090-03

Prepared: 02/22/23 Analyzed: 02/22/23

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133			
Toluene	5.15	0.0250	5.00	ND	103	61-130			
o-Xylene	5.17	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.47		8.00		106	70-130			

Matrix Spike Dup (2308023-MSD1)

Source: E302090-03

Prepared: 02/22/23 Analyzed: 02/22/23

Benzene	5.00	0.0250	5.00	ND	99.9	54-133	1.06	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.5	61-133	0.729	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	0.744	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	0.765	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.696	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.719	20	
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2308023-BLK1)

Prepared: 02/22/23 Analyzed: 02/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130			

LCS (2308023-BS2)

Prepared: 02/22/23 Analyzed: 02/22/23

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

Matrix Spike (2308023-MS2)

Source: E302090-03

Prepared: 02/22/23 Analyzed: 02/22/23

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

Matrix Spike Dup (2308023-MSD2)

Source: E302090-03

Prepared: 02/22/23 Analyzed: 02/22/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130	4.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2308026-BLK1)

Prepared: 02/22/23 Analyzed: 02/22/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	50-200			

LCS (2308026-BS1)

Prepared: 02/22/23 Analyzed: 02/22/23

Diesel Range Organics (C10-C28)	218	25.0	250		87.2	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

Matrix Spike (2308026-MS1)

Source: E302090-07

Prepared: 02/22/23 Analyzed: 02/22/23

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike Dup (2308026-MSD1)

Source: E302090-07

Prepared: 02/22/23 Analyzed: 02/22/23

Diesel Range Organics (C10-C28)	222	25.0	250	ND	89.0	38-132	2.05	20	
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Aquila 22 Fed Com 4H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/24/2023 10:10:19AM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2308025-BLK1)

Prepared: 02/22/23 Analyzed: 02/22/23

Chloride ND 20.0

LCS (2308025-BS1)

Prepared: 02/22/23 Analyzed: 02/22/23

Chloride 246 20.0 250 98.3 90-110

Matrix Spike (2308025-MS1)

Source: E302090-01

Prepared: 02/22/23 Analyzed: 02/22/23

Chloride 247 20.0 250 ND 98.8 80-120

Matrix Spike Dup (2308025-MSD1)

Source: E302090-01

Prepared: 02/22/23 Analyzed: 02/22/23

Chloride 247 20.0 250 ND 98.9 80-120 0.103 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/24/23 10:10

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services	Attention: <u>Devon</u> ^{Bill To}	Lab Use Only		TAT			EPA Program		
Project: <u>Aquila 22 Fed com 4H</u>	Address: _____	Lab WO# <u>E302090</u>	Job Number <u>0058-0007</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	City, State, Zip _____	Analysis and Method							RCRA
Address: 56 14 N. Lovington Hwy.	Phone: _____	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State	
City, State, Zip Hobbs, NM, 88240	Email: _____							NM	CO
Phone: 580-748-1613	Pima Project # <u>1-20</u>							UT	AZ
Email: tom@pimaoil.com								TX	
Report due by: _____								Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	2/7/23	S	1	S6-1'	1							X		
8:05				S6-4'	2									
8:10				S7-1'	3									
8:15				S7-4'	4									
8:20				SW-1	5									
8:25				SW-2	6									
8:30				SW-3	7									
8:35				SW-4	8									
8:40				SW-5	9									
8:45				BG1	10									

Additional Instructions: Billing Number: None

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: Dominic G

Relinquished by: (Signature) <u>AB</u>	Date <u>2-21-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Muelle Cays</u>	Date <u>2/21/23</u>	Time <u>1:400</u>	Lab Use Only
Relinquished by: (Signature) <u>Muelle Cays</u>	Date <u>2-21-23</u>	Time <u>1:30</u>	Received by: (Signature) <u>Lorenzo Fei</u>	Date <u>2-21-23</u>	Time <u>7:45</u>	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N
Relinquished by: (Signature) <u>Lorenzo Fei</u>	Date <u>2-21-23</u>	Time <u>2:30</u>	Received by: (Signature) <u>Domenico</u>	Date <u>2/22/23</u>	Time <u>7:00</u>	T1 _____ T2 _____ T3 _____
Sample Matrix: <u>S</u> Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <u>4.0</u>

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



Client: Pima Environmental Services Project: Aquila 22 Fed com 4H 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: Address: City, State, Zip Phone: Email: Pima Project #		Lab Use Only Lab WO# E 302090 Job Number 01058-1007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA	
				Analysis and Method		State NM CO UT AZ TX X			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	2/17/23	S	1	S1-1'	11							X		
8:55				S1-4'	12									
9:00				S2-1'	13									
9:05				S2-4'	14									
9:10				S3-1'	15									
9:15				S3-4'	16									
9:20				S4-1'	17									
9:25				S4-4'	18									
9:30				S5-1'	19									
9:35				S5-4'	20									

Additional Instructions: Billing Number:

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: **Dominic G**

Relinquished by: (Signature) AS	Date 2-21-23	Time 7:00	Received by: (Signature) Miaelle Cays	Date 2-21-23	Time 1400	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4.0
Relinquished by: (Signature) Miaelle Cays	Date 2-21-23	Time 1630	Received by: (Signature) Lorenzo	Date 2-21-23	Time 1645	
Relinquished by: (Signature) Lorenzo	Date 2-21-23	Time 2230	Received by: (Signature) Jrene Zozzi	Date 2/21/23	Time 7:00	

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: 2/22/2023 8:36:48AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 02/22/23 07:00 Work Order ID: E302090
Phone: (575) 631-6977 Date Logged In: 02/21/23 14:48 Logged In By: Caitlin Christian
Email: tom@pimaoil.com Due Date: 02/28/23 07:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instructions.

Comments/Resolution

White out present on COC when received from client.

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 193438

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 193438
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	3/20/2023