

DIAMOND PWU 22 CTB 1

1/18/2023

OCD INCIDENT # [nAPP2301930383](#)

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>2,263.12</u>	<u>0.50</u>
Cubic Feet of Soil Impacted	<u>94.30</u>
Barrels of Soil Impacted	<u>16.81</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>2.52</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>2.52</u>
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>988.55</u>	<u>1.000</u>
Standing fluid	<u>14.65</u>
<u>Total fluids spilled</u>	<u>17.17</u>



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

February 19, 2024

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

Re: Site Assessment, Remediation, and Closure Report
Diamond PWU 22 CTB 1
API No. N/A
GPS: Latitude 32.651953 Longitude -104.070250
UL -- D, 22, T19S, R29E
Eddy County, NM
NMOCD Ref. No. NAPP2301930383

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 Diamond PWU 22 CTB 1 (Diamond). The initial C-141 was submitted on January 23, 2023 (Appendix C). This incident was assigned Incident ID NAPP2301930383 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Diamond is located approximately twelve (12) miles southwest of Loco Hills, NM. This spill site is in Unit D, Section 22, Township 19S, Range 29E, Latitude 32.651953 Longitude -104.070250, 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 includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits. The soil in this area is made up of Kimbrough-Stegall loams, 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 Diamond (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 58 feet BGS. The closest waterway is a Salt Playa located approximately 5.57 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.

Diamond PWU 22 CTB 1 | [Devon Energy](#)

Release Information

NAPP2301930383: On January 18, 2023, a leak developed from a poly line, causing a fluid to be released onto the pasture. The released fluids were calculated to be approximately 17.20 barrels (bbls) of produced water. A vacuum truck was able to recover 15 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

March 3, 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.

3/3/23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Diamond PWU 22 CTB 1								
Date: 3-3-23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	0	10600
	3'	ND	ND	ND	ND	ND	0	110
	4'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	12800
	3'	ND	ND	ND	ND	ND	0	103
	4'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	13300
	3'	ND	ND	ND	ND	ND	0	103
	4'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	11400
	3'	ND	ND	ND	ND	ND	0	116
	4'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On March 31, 2023, the Devon Construction Department mobilized personnel and equipment to begin remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil 41cubic yards was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On April 6, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

4-7-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Diamond PWU 22 CTB 1								
Date: 5-6-23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	2'	ND	ND	ND	ND	ND	0	ND
CS-2	2'	ND	ND	ND	ND	ND	0	ND
CS-3	2'	ND	ND	ND	ND	ND	0	ND
CS-4	2'	ND	ND	ND	ND	ND	0	ND
CSW-1	2'	ND	ND	ND	ND	ND	0	ND
CSW-2	2'	ND	ND	ND	ND	ND	0	ND
CSW-3	2'	ND	ND	ND	ND	ND	0	ND
CSW-4	2'	ND	ND	ND	ND	ND	0	ND
CSW-5	2'	ND	ND	ND	ND	ND	0	ND
CSW-6	2'	ND	ND	ND	ND	ND	0	ND
CSW-7	2'	ND	ND	ND	ND	ND	0	ND
CSW-8	2'	ND	ND	ND	ND	ND	0	ND
CSW-9	2'	ND	ND	ND	ND	ND	0	ND
CSW-10	2'	ND	ND	ND	ND	ND	0	ND
CSW-11	2'	ND	ND	ND	ND	ND	0	ND
CSW-12	2'	ND	ND	ND	ND	ND	0	ND
CSW-13	2'	ND	ND	ND	ND	ND	0	ND

Diamond PWU 22 CTB 1 | [Devon Energy](#)

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2301930383, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

The work was performed on March 31, 2023. We would like to request a variance approval due to all proper notifications and work was conducted prior to the new OCD guidelines.

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
Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

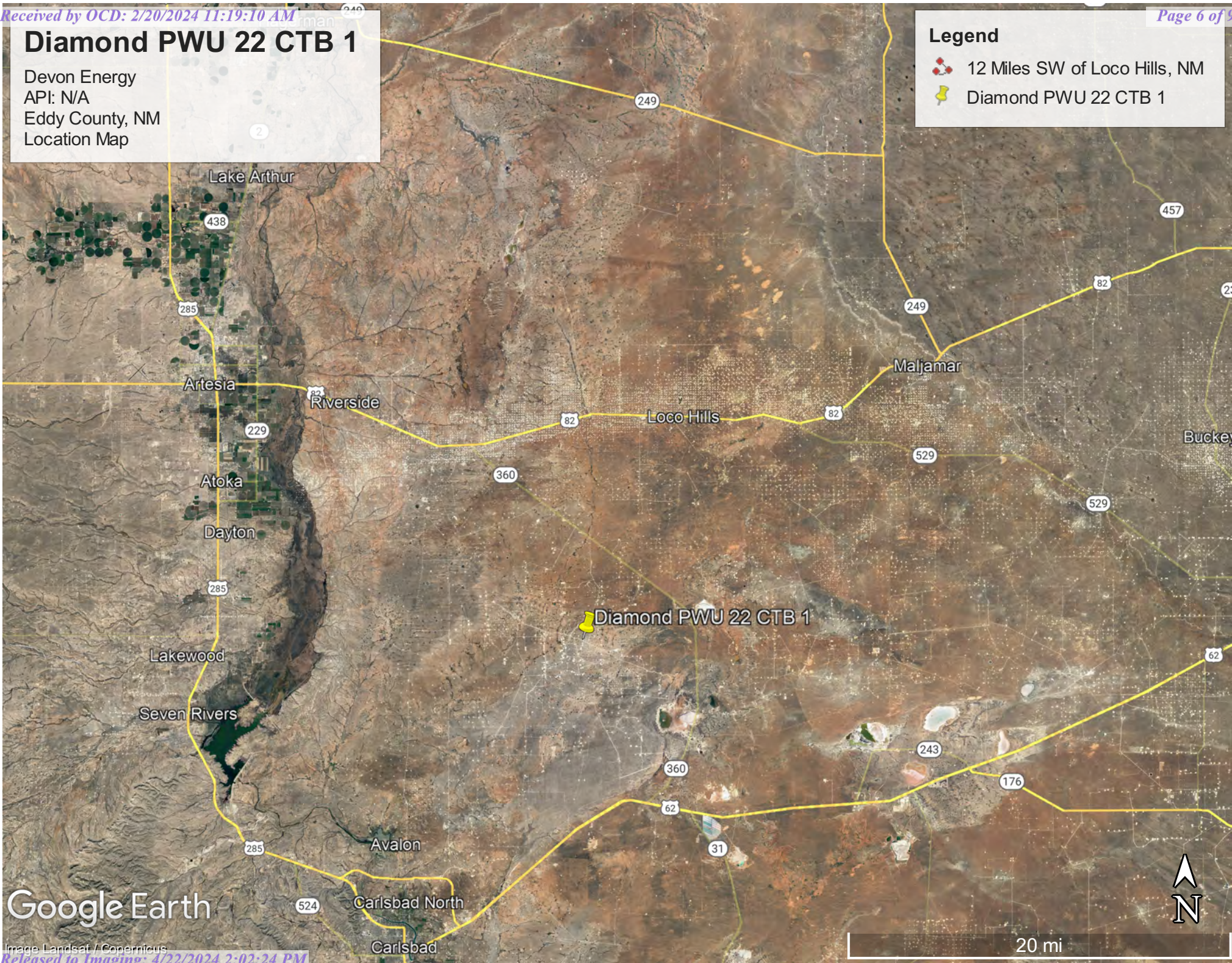
5-Confirmation Sample Map

Diamond PWU 22 CTB 1

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

Legend

-  12 Miles SW of Loco Hills, NM
-  Diamond PWU 22 CTB 1



Google Earth

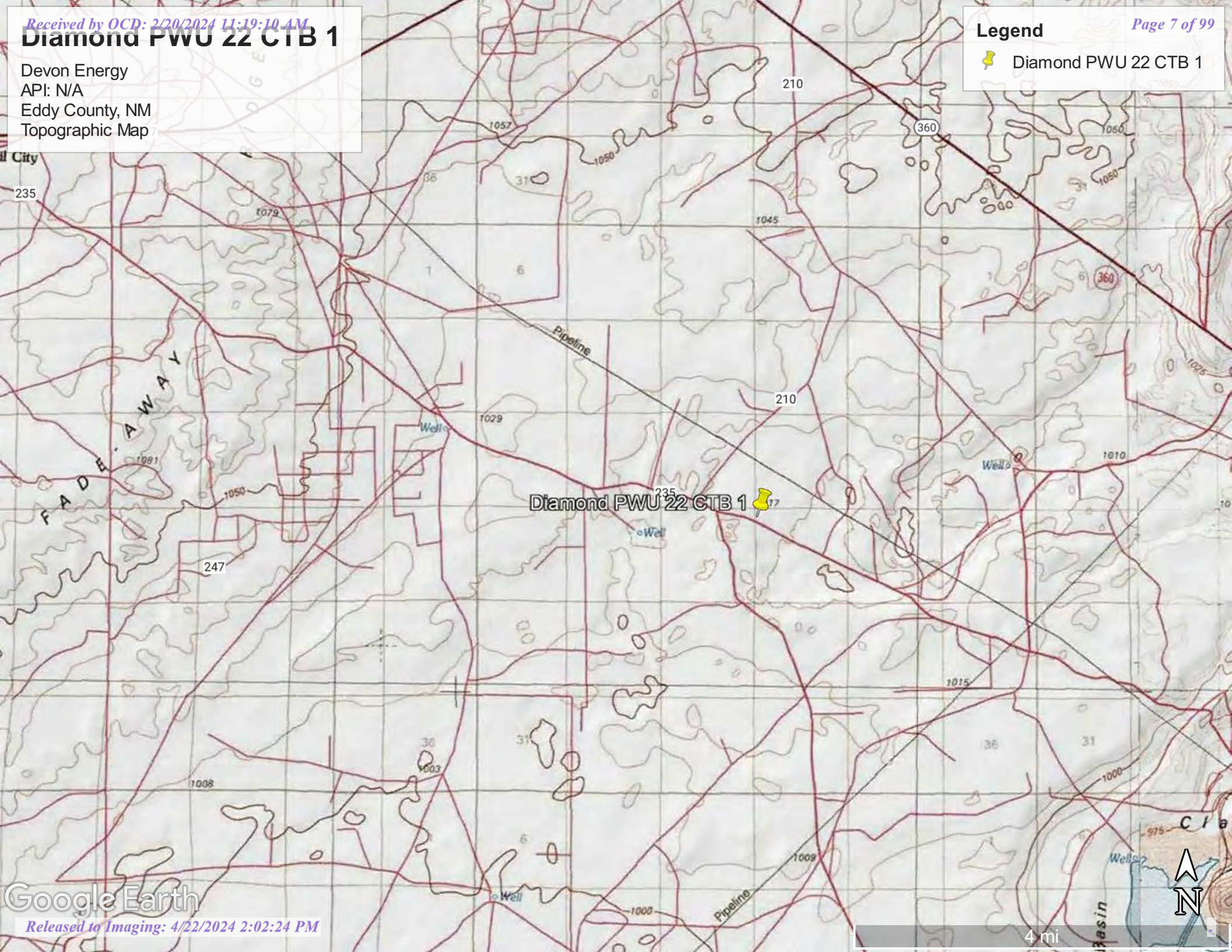
Image Landsat / Copernicus

Diamond PWU 22 CTB 1

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

Legend





 Diamond PWU 22 CTB 1

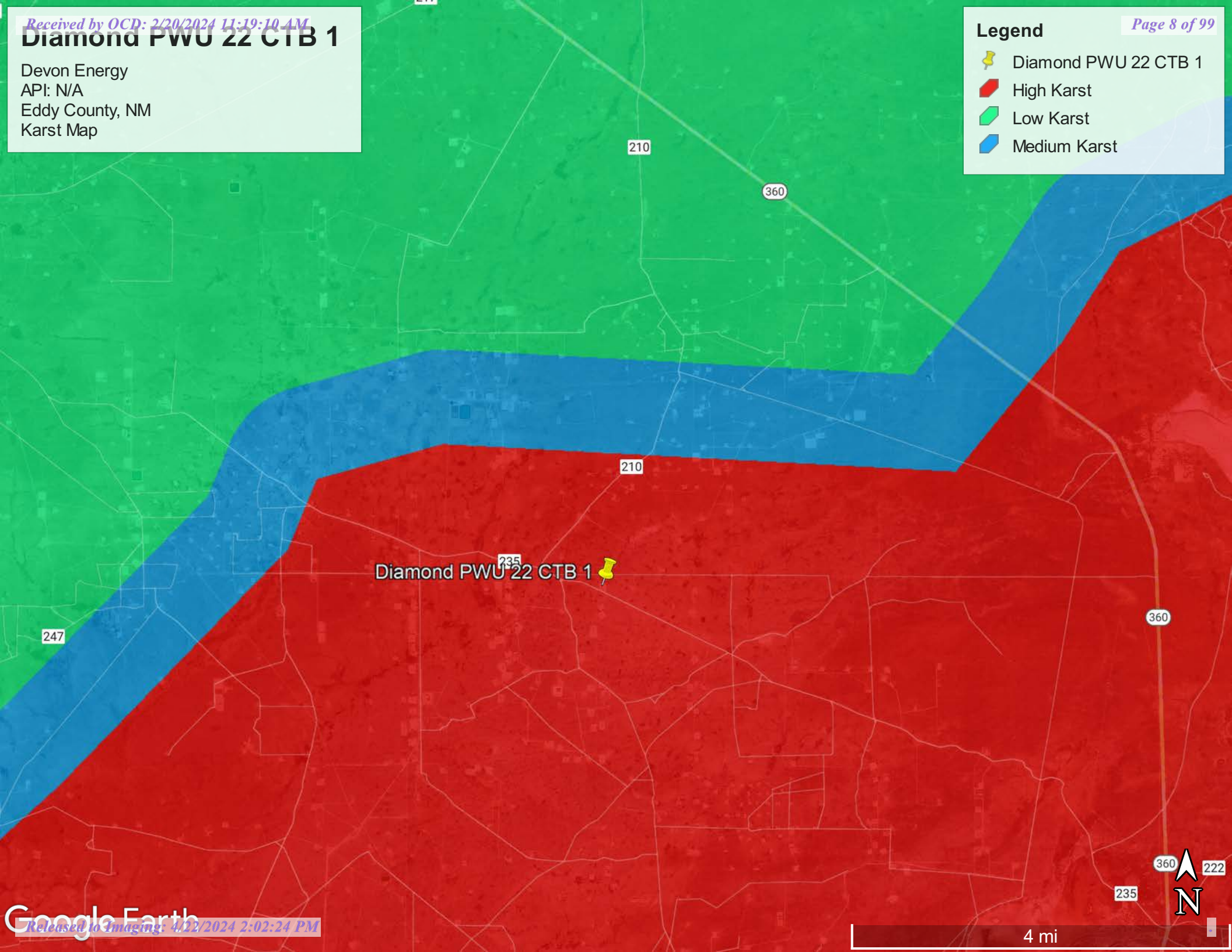


Diamond PWU 22 CTB 1

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

Legend





-  Diamond PWU 22 CTB 1
-  High Karst
-  Low Karst
-  Medium Karst

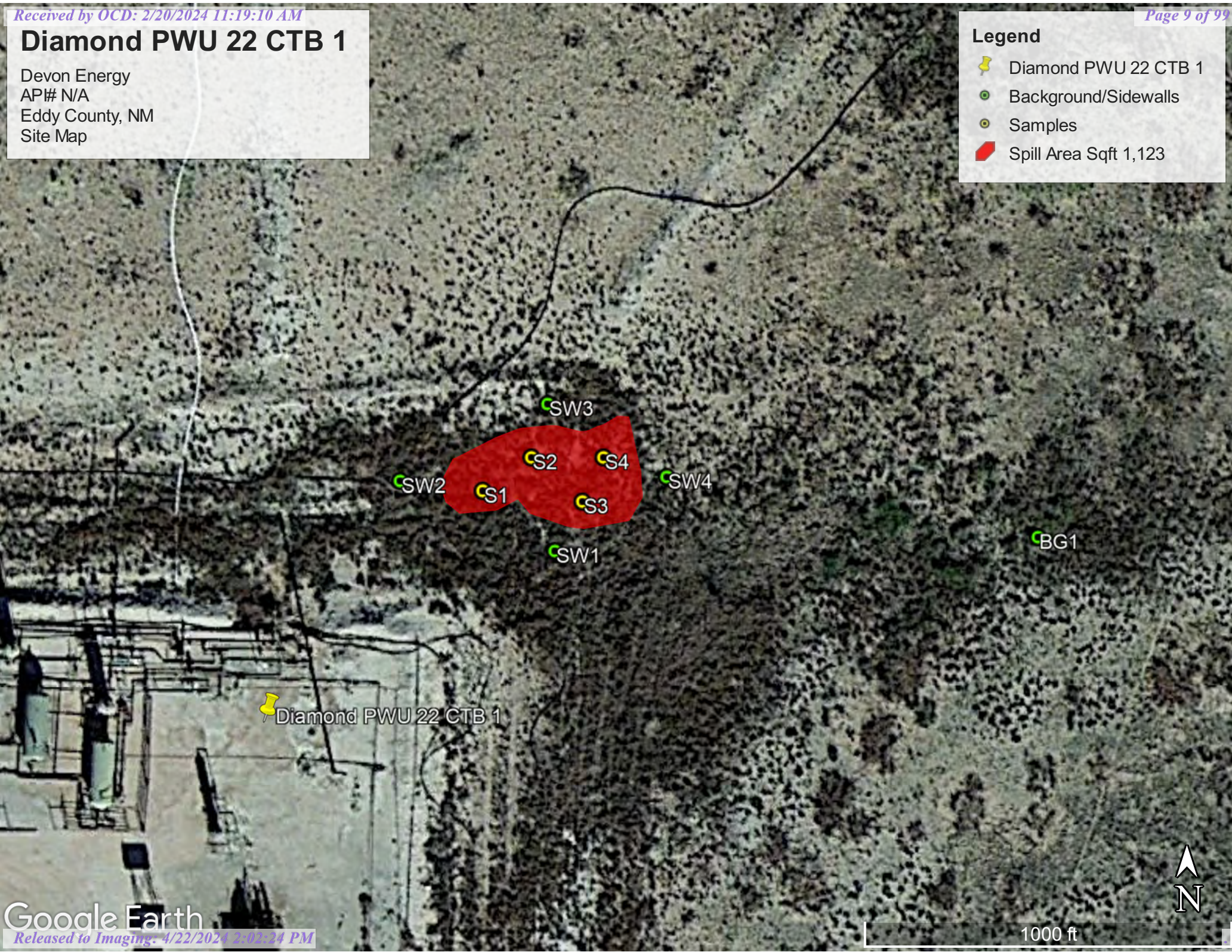


Diamond PWU 22 CTB 1

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

Legend


-  Diamond PWU 22 CTB 1
-  Background/Sidewalls
-  Samples
-  Spill Area Sqft 1,123




Diamond PWU 22 CTB 1

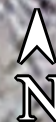
Devon Energy
API:N/A
Eddy County, NM
Confirmation Sample Map

Legend

 Diamond PWU 22 CTB 1

CSW12 CSW1 CSW2
CSW11 CS2 CSW3
CS1 CS4
CSW9 CS3 CSW4
CSW8 CSW6 CSW5

 Diamond PWU 22 CTB 1





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00741		CP	ED	1	3	2	34	19S	29E	588030	3609533*	3648	230	60	170
CP 00681		CP	ED	1	1	3	34	19S	29E	587230	3609127*	3957			
CP 00626 POD1		CP	ED	2	3	1	03	19S	29E	587360	3617575	4493	286	247	39
CP 00820 POD1		CP	LE		2	4	13	19S	29E	591713	3613870*	4585	120		
CP 01090 POD1		CP	LE		1	2	31	20S	33E	586045	3608526	4701			
CP 00646		CP	ED	1	1	4	07	19S	29E	583155	3615551	4734	199	150	49
CP 00626 POD2		CP	ED	3	2	1	03	19S	29E	587660	3617880	4817	240	195	45

Average Depth to Water: **163 feet**

Minimum Depth: **60 feet**

Maximum Depth: **247 feet**

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 587195.26

Northing (Y): 3613084.62

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.

3/3/23 12:34 PM

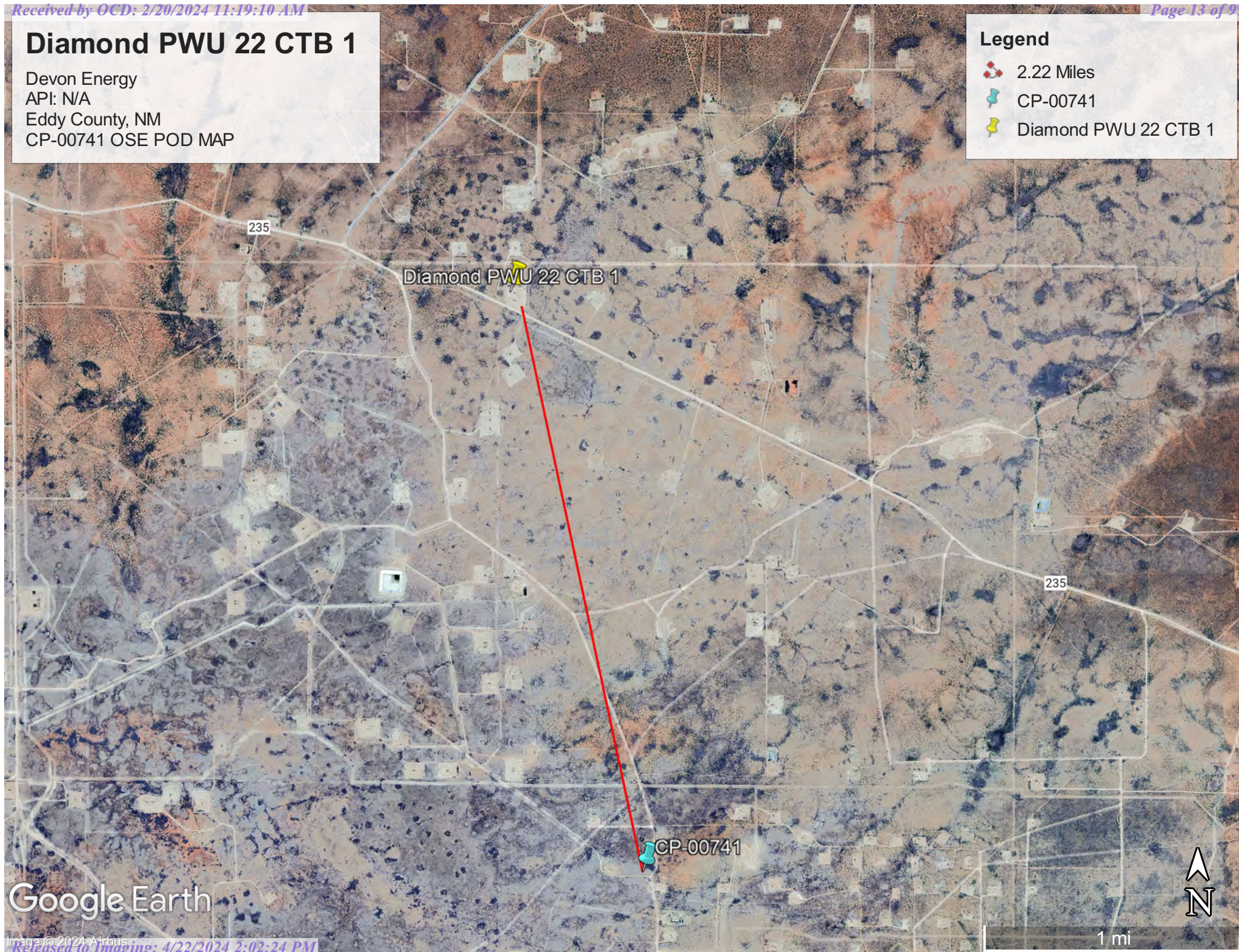
WATER COLUMN/ AVERAGE DEPTH TO WATER

Diamond PWU 22 CTB 1

Devon Energy
API: N/A
Eddy County, NM
CP-00741 OSE POD MAP

Legend

- 2.22 Miles
- CP-00741
- Diamond PWU 22 CTB 1



Google Earth



[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 =

- 323853104023101

Minimum number of levels = 1

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

USGS 323853104023101 19S.29E.23.23322

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'53", Longitude 104°02'31" NAD27

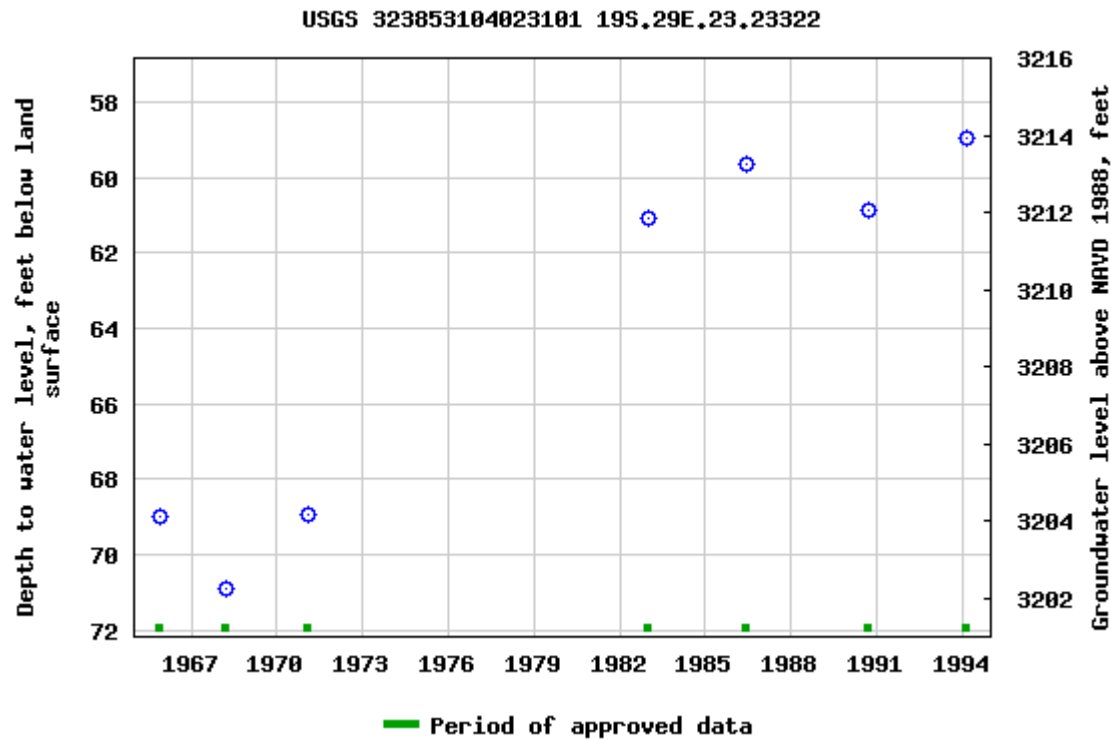
Land-surface elevation 3,273 feet above NAVD88

The depth of the well is 85 feet below land surface.

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.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)
[News](#)

[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: 2023-02-23 11:07:03 EST

0.59 0.5 nadww02

Diamond PWU 22 CTB 1

Devon Energy
API: N/A
Eddy County, NM
USGS 323853104023101

Legend

- 1.63 Miles
- Diamond PWU 22 CTB 1
- USGS 323853104023101

Diamond PWU 22 CTB 1

USGS 323853104023101

Google Earth

Image © 2024 Airbus
Released to Imaging: 4/22/2024 2:02:24 PM

1 mi



Diamond PWU 22 CTB 1

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

Legend

- 5.57 Miles
- Diamond PWU 22 CTB 1

Diamond PWU 22 CTB 1

Pond



5 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t

Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 70 percent

Stegall and similar soils: 25 percent

Minor components: 5 percent

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

Description of Kimbrough

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam

H2 - 3 to 9 inches: loam

H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very 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: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Description of Stegall

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 5 percent
Ecological site: R070BD002NM - Shallow Sandy
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°4'32"W 32°39'22"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
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

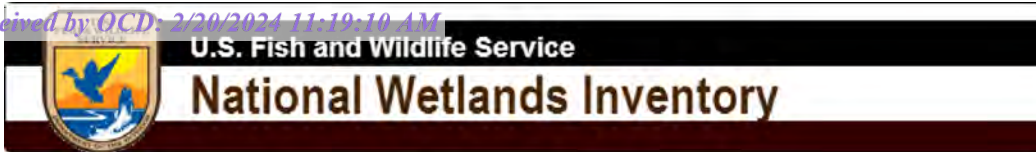


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 2/23/2023 at 11:10 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



February 23, 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

48-Hour Notification



Gio PimaOil <gio@pimaoil.com>

Confirmation of Samples Diamond PWU 22 CTB 1

1 message

Gio PimaOil <gio@pimaoil.com>

Wed, May 3, 2023 at 9:17 AM

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

Good Morning,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Diamond PWU 22 CTB 1 for incident NAPP2301930383. Pima personnel are scheduled to be on site for this sampling event at approximately 6:00 a.m. on Saturday, May 6, 2023. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
DIAMOND PWU 22 CTB 1**

Site Assessment



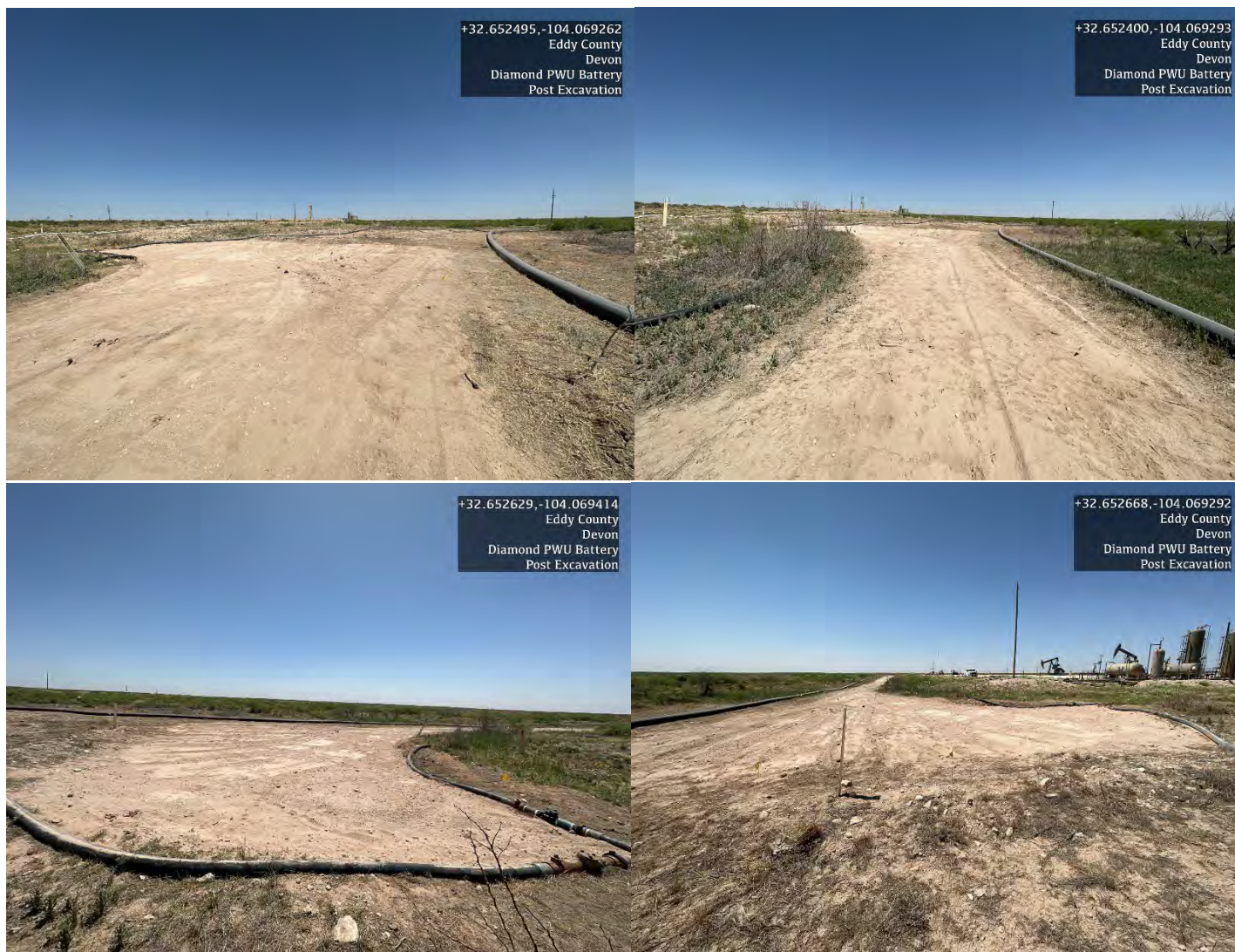


Excavation





Post Excavation







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond 22 Battery

Work Order: E303027

Job Number: 01058-0007

Received: 3/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/14/23

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: 3/14/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond 22 Battery
Workorder: E303027
Date Received: 3/9/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2023 8:15:00AM, under the Project Name: Diamond 22 Battery.

The analytical test results summarized in this report with the Project Name: Diamond 22 Battery 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
SW1	18
SW2	19
SW3	20
SW4	21
BG1	22
QC Summary Data	23
QC - Volatile Organic Compounds by EPA 8260B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	24

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/14/23 08:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E303027-01A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S1 - 3'	E303027-02A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S1 - 4'	E303027-03A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S2 - 1'	E303027-04A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S2 - 3'	E303027-05A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S2 - 4'	E303027-06A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S3 - 1'	E303027-07A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S3 - 3'	E303027-08A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S3 - 4'	E303027-09A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S4 - 1'	E303027-10A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S4 - 3'	E303027-11A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
S4 - 4'	E303027-12A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
SW1	E303027-13A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
SW2	E303027-14A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
SW3	E303027-15A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
SW4	E303027-16A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.
BG1	E303027-17A	Soil	03/03/23	03/09/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond 22 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/14/2023 8:13:35AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	----------------------------------

S1 - 1'

E303027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	89.7 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	10600	400	20	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S1 - 3'

E303027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	104 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	104 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	89.1 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	110	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S1 - 4'

E303027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.2 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.2 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	93.1 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S2 - 1'

E303027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	99.1 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	12800	400	20	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S2 - 3'

E303027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	91.0 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	103	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S2 - 4'

E303027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.3 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.3 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	98.3 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S3 - 1'

E303027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	108 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	108 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	92.7 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	13300	400	20	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S3 - 3'

E303027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.0 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene	91.0 %	70-130		03/09/23	03/09/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/09/23	03/09/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	96.3 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	103	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S3 - 4'

E303027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	94.3 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S4 - 1'

E303027-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	91.2 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	91.2 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	91.0 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	11400	400	20	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S4 - 3'

E303027-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	99.0 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	116	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

S4 - 4'

E303027-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	98.9 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported: 3/14/2023 8:13:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW1

E303027-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2310034	
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	03/09/23	03/10/23	
Surrogate: Toluene-d8		106 %	70-130	03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2310034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	03/09/23	03/10/23	
Surrogate: Toluene-d8		106 %	70-130	03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2310038	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		95.1 %	50-200	03/09/23	03/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2310044	
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

SW2

E303027-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	106 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	96.4 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

SW3

E303027-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	95.2 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

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

Project Name: Diamond 22 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/14/2023 8:13:35AM

SW4

E303027-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2310034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	107 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	94.2 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310044
Chloride	ND	20.0	1	03/09/23	03/10/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported: 3/14/2023 8:13:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG1
E303027-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2310034	
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	89.5 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2310034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene	89.5 %	70-130		03/09/23	03/10/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		03/09/23	03/10/23	
Surrogate: Toluene-d8	105 %	70-130		03/09/23	03/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2310038	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane	93.3 %	50-200		03/09/23	03/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2310044	
Chloride	ND	20.0	1	03/09/23	03/10/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported: 3/14/2023 8:13:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2310034-BLK1) Prepared: 03/09/23 Analyzed: 03/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.470		0.500		94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2310034-BS1) Prepared: 03/09/23 Analyzed: 03/09/23

Benzene	2.24	0.0250	2.50		89.7	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.4	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.44	0.0250	2.50		97.7	70-130			
p,m-Xylene	4.84	0.0500	5.00		96.8	70-130			
Total Xylenes	7.28	0.0250	7.50		97.1	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike (2310034-MS1) Source: E303027-01 Prepared: 03/09/23 Analyzed: 03/09/23

Benzene	2.21	0.0250	2.50	ND	88.3	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.0	45-135			
Toluene	2.35	0.0250	2.50	ND	93.9	48-130			
o-Xylene	2.44	0.0250	2.50	ND	97.6	43-135			
p,m-Xylene	4.82	0.0500	5.00	ND	96.4	43-135			
Total Xylenes	7.26	0.0250	7.50	ND	96.8	43-135			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2310034-MSD1) Source: E303027-01 Prepared: 03/09/23 Analyzed: 03/09/23

Benzene	2.23	0.0250	2.50	ND	89.1	48-131	0.902	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	1.48	27	
Toluene	2.39	0.0250	2.50	ND	95.5	48-130	1.65	24	
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135	0.755	27	
p,m-Xylene	4.88	0.0500	5.00	ND	97.5	43-135	1.16	27	
Total Xylenes	7.33	0.0250	7.50	ND	97.8	43-135	1.02	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported: 3/14/2023 8:13:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2310034-BLK1)

Prepared: 03/09/23 Analyzed: 03/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.470		0.500		94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2310034-BS2)

Prepared: 03/09/23 Analyzed: 03/09/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2310034-MS2)

Source: E303027-01 Prepared: 03/09/23 Analyzed: 03/09/23

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2310034-MSD2)

Source: E303027-01 Prepared: 03/09/23 Analyzed: 03/09/23

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	0.587	20	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/14/2023 8:13:35AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2310038-BLK1)					Prepared: 03/09/23 Analyzed: 03/10/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2310038-BS1)					Prepared: 03/09/23 Analyzed: 03/10/23				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			

Matrix Spike (2310038-MS1)					Source: E303027-10		Prepared: 03/09/23 Analyzed: 03/10/23		
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.8	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			

Matrix Spike Dup (2310038-MSD1)					Source: E303027-10		Prepared: 03/09/23 Analyzed: 03/11/23		
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.6	38-132	6.21	20	
Surrogate: n-Nonane	43.9		50.0		87.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/14/2023 8:13:35AM

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 (2310044-BLK1)					Prepared: 03/09/23 Analyzed: 03/10/23				
Chloride	ND	20.0							
LCS (2310044-BS1)					Prepared: 03/09/23 Analyzed: 03/10/23				
Chloride	268	20.0	250		107	90-110			
Matrix Spike (2310044-MS1)					Source: E303027-01		Prepared: 03/09/23 Analyzed: 03/10/23		
Chloride	12000	400	250	10600	573	80-120			M5
Matrix Spike Dup (2310044-MSD1)					Source: E303027-01		Prepared: 03/09/23 Analyzed: 03/10/23		
Chloride	11900	400	250	10600	529	80-120	0.918	20	M5

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Diamond 22 Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/14/23 08:13

- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services Project: <u>Diamond 22 Battery</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-264</u>					Lab Use Only Lab WO# <u>363027</u> Job Number <u>01058-0007</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	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
8:00	3/3/23	S	1	S1-1'	1	X														
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: <u>Billing # 21118710</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.										
Relinquished by: (Signature) <u>AS</u> Date <u>3-7-23</u> Time <u>2:00</u>					Received by: (Signature) <u>Audriana Benavides</u> Date <u>3-7-23</u> Time <u>1400</u>					Lab Use Only Received on ice: <u>Y</u> N										
Relinquished by: (Signature) <u>Michelle Campbell</u> Date <u>3-7-23</u> Time <u>1745</u>					Received by: (Signature) <u>Rosemarie</u> Date <u>3-7-23</u> Time <u>1800</u>					T1 T2 T3										
Relinquished by: (Signature) <u>Lucy Lee</u> Date <u>3-8-23</u> Time					Received by: (Signature) <u>Carla Chate</u> Date <u>3/9/23</u> Time <u>8:15</u>					AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, SD - Solid, Sg - Sludge, A - Aqueous, O - Other 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 2 of 2

Client: Pima Environmental Services Project: <u>Diamond 22 Battery</u> Project Manager: Tom Bynum 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>1-264</u>		Lab Use Only Lab WO# <u>E 303027</u> Job Number <u>01058-0057</u>		TAT 1D 2D 3D Standard <u>X</u>		EPA Program CWA SDWA RCRA	
						Analysis and Method DRG/ORG by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX <u>X</u>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks					
8:50				S4-3'	11						
8:55				S4-4'	12						
9:00				SW1	13						
9:05				SW2	14						
9:10				SW3	15						
9:15				SW4	16						
9:20				BG1	17						

Additional Instructions:

Billing #: 21118710

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

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


Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>AB</u>	3-7-23	2:00	<u>Michelle Cuyler</u>	3-7-23	1400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Michelle Cuyler</u>	3-7-23	1745	<u>Korena Lei</u>	3-8-23	1800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Korena Lei</u>	3-8-23	2345	<u>Cathy Chat</u>	3/9/23	8:15

Lab Use Only		
Received on ice:	<u>(Y) N</u>	
T1	T2	T3
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: 3/9/2023 1:10:17PM

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:	03/09/23 08:15	Work Order ID:	E303027
Phone:	(575) 631-6977	Date Logged In:	03/09/23 08:58	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	03/14/23 17:00 (3 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: Courier**Comments/Resolution**

COC was received with white out present on pg 2 of 2 by client.

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

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PW22 CTB 1

Work Order: E305044

Job Number: 01058-0007

Received: 5/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/10/23

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: 5/10/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PW22 CTB 1
Workorder: E305044
Date Received: 5/9/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/9/2023 7:15:00AM, under the Project Name: Diamond PW22 CTB 1.

The analytical test results summarized in this report with the Project Name: Diamond PW22 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-1	6
CS-2	7
CS-3	8
CS-4	9
CS-5	10
CSW-1	11
CSW-2	12
CSW-3	13
CSW-4	14
CSW-5	15
CSW-6	16
CSW-7	17
CSW-8	18
CSW-9	19
CSW-10	20
CSW-11	21
CSW-12	22
QC Summary Data	23
QC - Volatile Organic Compounds by EPA 8260B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	24

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/10/23 11:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E305044-01A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CS-2	E305044-02A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CS-3	E305044-03A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CS-4	E305044-04A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CS-5	E305044-05A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-1	E305044-06A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-2	E305044-07A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-3	E305044-08A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-4	E305044-09A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-5	E305044-10A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-6	E305044-11A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-7	E305044-12A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-8	E305044-13A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-9	E305044-14A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-10	E305044-15A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-11	E305044-16A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.
CSW-12	E305044-17A	Soil	05/06/23	05/09/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CS-1

E305044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
---------	--------	-----------------	----------	----------	----------	-------

Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2319020	
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	

Surrogate: Bromofluorobenzene	105 %	70-130	05/09/23	05/09/23
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130	05/09/23	05/09/23
Surrogate: Toluene-d8	99.9 %	70-130	05/09/23	05/09/23

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2319020	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene	105 %	70-130	05/09/23	05/09/23		
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130	05/09/23	05/09/23		
Surrogate: Toluene-d8	99.9 %	70-130	05/09/23	05/09/23		

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2319018	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane	86.6 %	50-200	05/09/23	05/09/23		

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2319021	
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CS-2

E305044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		98.4 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		98.4 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		88.3 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CS-3

E305044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		99.8 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		99.8 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		87.6 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CS-4

E305044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		87.4 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CS-5

E305044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		86.7 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported: 5/10/2023 11:25:09AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW-1
E305044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		102 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		102 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		86.4 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-2
E305044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		100 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		100 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		88.2 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CSW-3

E305044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.7 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.7 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		89.1 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-4
E305044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.6 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.6 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		87.7 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-5
E305044-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.8 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		97.8 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		86.8 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-6
E305044-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		103 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		103 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		86.8 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-7
E305044-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		104 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported: 5/10/2023 11:25:09AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW-8
E305044-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		97.9 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CSW-9

E305044-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		95.5 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

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

Project Name: Diamond PW22 CTB 1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
5/10/2023 11:25:09AM

CSW-10

E305044-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		105 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		98.9 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PW22 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 5/10/2023 11:25:09AM
-----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------

CSW-11

E305044-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		104 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		100 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported: 5/10/2023 11:25:09AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW-12

E305044-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		103 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2319020
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	05/09/23	05/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/09/23	05/09/23	
Surrogate: Toluene-d8		103 %	70-130	05/09/23	05/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2319018
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/23	05/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/23	05/09/23	
Surrogate: n-Nonane		100 %	50-200	05/09/23	05/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2319021
Chloride	ND	20.0	1	05/09/23	05/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/10/2023 11:25:09AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2319020-BLK1) Prepared: 05/09/23 Analyzed: 05/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.563		0.500		113	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2319020-BS1) Prepared: 05/09/23 Analyzed: 05/09/23

Benzene	2.61	0.0250	2.50		104	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.48	0.0250	2.50		99.3	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.41	0.0250	7.50		98.8	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.581		0.500		116	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike (2319020-MS1) Source: E305044-02 Prepared: 05/09/23 Analyzed: 05/09/23

Benzene	2.61	0.0250	2.50	ND	104	48-131			
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135			
p,m-Xylene	4.95	0.0500	5.00	ND	99.1	43-135			
Total Xylenes	7.45	0.0250	7.50	ND	99.4	43-135			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.577		0.500		115	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

Matrix Spike Dup (2319020-MSD1) Source: E305044-02 Prepared: 05/09/23 Analyzed: 05/09/23

Benzene	2.48	0.0250	2.50	ND	99.2	48-131	5.11	23	
Ethylbenzene	2.39	0.0250	2.50	ND	95.8	45-135	4.89	27	
Toluene	2.40	0.0250	2.50	ND	96.1	48-130	5.92	24	
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135	4.52	27	
p,m-Xylene	4.69	0.0500	5.00	ND	93.8	43-135	5.49	27	
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135	5.16	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.558		0.500		112	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/10/2023 11:25:09AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2319020-BLK1)

Prepared: 05/09/23 Analyzed: 05/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.563		0.500		113	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2319020-BS2)

Prepared: 05/09/23 Analyzed: 05/09/23

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.549		0.500		110	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

Matrix Spike (2319020-MS2)

Source: E305044-02 Prepared: 05/09/23 Analyzed: 05/09/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	93.9	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.558		0.500		112	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike Dup (2319020-MSD2)

Source: E305044-02 Prepared: 05/09/23 Analyzed: 05/09/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130	0.864	20	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.571		0.500		114	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/10/2023 11:25:09AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2319018-BLK1)					Prepared: 05/09/23 Analyzed: 05/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			

LCS (2319018-BS1)					Prepared: 05/09/23 Analyzed: 05/09/23				
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			

Matrix Spike (2319018-MS1)					Source: E305044-10		Prepared: 05/09/23 Analyzed: 05/09/23		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2319018-MSD1)					Source: E305044-10		Prepared: 05/09/23 Analyzed: 05/09/23		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	2.72	20	
Surrogate: n-Nonane	41.2		50.0		82.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PW22 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/10/2023 11:25:09AM

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 (2319021-BLK1)					Prepared: 05/09/23 Analyzed: 05/09/23				
Chloride	ND	20.0							
LCS (2319021-BS1)					Prepared: 05/09/23 Analyzed: 05/09/23				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2319021-MS1)					Source: E305044-01		Prepared: 05/09/23 Analyzed: 05/09/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2319021-MSD1)					Source: E305044-01		Prepared: 05/09/23 Analyzed: 05/09/23		
Chloride	256	20.0	250	ND	102	80-120	0.119	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:	Diamond PW22 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/10/23 11:25

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services	Bill To	Lab Use Only		TAT				EPA Program	
Project: <u>Diamond PW22 CTB1</u>	Attention: <u>Devon</u>	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	<u>E 305044</u>	<u>01058-0007</u>	<u>X</u>					
Address: 56 14 N. Lovington Hwy.	City, State, Zip	Analysis and Method							RCRA
City, State, Zip: Hobbs, NM, 88240	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone: 580-748-1613	Email:								State
Email: <u>tom@pimaoil.com</u>	Pima Project # <u>264</u>								NM CO UT AZ TX
Report due by:									Remarks

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

Additional Instructions:

Billing # 21118716

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: AB

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>Kenneth Adams</u>	Date <u>5-8-23</u> <u>ZOO KA</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>5/8/23</u>	Time <u>1:400</u>	Lab Use Only Received on ice: <u>Y</u> / N
Relinquished by: (Signature) <u>Michelle Campbell</u>	Date <u>5-8-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Andrew Miso</u>	Date <u>5-8-23</u>	Time <u>1700</u>	T1 T2 T3
Relinquished by: (Signature) <u>Andrew Miso</u>	Date <u>5-8-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Jene 3137</u>	Date <u>05/09/23</u>	Time <u>7:15</u>	AVG Temp °C <u>4.0</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 2 of 2

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>2 Diamond Rd 22 CTBI</u>		Attention: <u>Devon</u>		Lab WO# <u>E3050044</u>		Job Number <u>010586-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Address:		Analysis and Method		RCRA					
Address: 5614 N. Lovington Hwy.		City, State, Zip		City, State, Zip		Analysis and Method		State					
City, State, Zip: Hobbs, NM, 88240		Phone:		Phone:		Analysis and Method		NM CO UT AZ TX					
Phone: 580-748-1613		Email:		Email:		Analysis and Method		Remarks					
Email: tom@pimaoil.com		Pima Project # <u>264</u>		Pima Project # <u>264</u>		Analysis and Method		Remarks					
Report due by:		Pima Project # <u>264</u>		Pima Project # <u>264</u>		Analysis and Method		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
8:50 AM	5/6/23	S	1	CSW-6	11							X		
8:55 AM	5/6/23			CSW-7	12									
9:00	5/6/23			CSW-8	13									
9:05	5/6/23			CSW-9	14									
9:10	5/6/23			CSW-10	15									
9:15	5/6/23			CSW-11	16									
9:20	5/6/23			CSW-12	17									
9:25	5/6/23	K.A.												
9:30	5/6/23													
9:35	5/6/23													

Additional Instructions:

Billing # 21118716

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)		Date	Time	Received by: (Signature)		Date	Time
<u>Karine Adams</u>		5/8/23	200	<u>Michelle Campbell</u>		5-8-23	1400
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
<u>Michelle Campbell</u>		5-8-23	1630	<u>Andrew Mueso</u>		5-8-23	1700
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
<u>Andrew Mueso</u>		5-8-23	2300	<u>Andrew Mueso</u>		05/09/23	7:15
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.							

Envirotech Analytical Laboratory

Printed: 5/9/2023 9:53:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/09/23 07:15	Work Order ID:	E305044
Phone:	(575) 631-6977	Date Logged In:	05/08/23 15:47	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/09/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

QUESTIONS

Action 315979

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	315979
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2301930383
Incident Name	NAPP2301930383 DIAMOND PWU 22 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2130228668] DIAMOND PWU 22 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DIAMOND PWU 22 CTB 1
Date Release Discovered	01/18/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 17 BBL Recovered: 15 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A 4" poly line had a leak and was spraying water off the pad. The line was isolated to stop the leak.

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

QUESTIONS, Page 2

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	315979
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/20/2024
----------------------------------------------------	--------------------------------------------------------------------------------------------------

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

QUESTIONS, Page 3

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 315979
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	13300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/31/2023
On what date will (or did) the final sampling or liner inspection occur	04/06/2023
On what date will (or was) the remediation complete(d)	04/09/2023
What is the estimated surface area (in square feet) that will be reclaimed	1123
What is the estimated volume (in cubic yards) that will be reclaimed	41
What is the estimated surface area (in square feet) that will be remediated	1123
What is the estimated volume (in cubic yards) that will be remediated	41

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	315979
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/20/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

QUESTIONS, Page 5

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	315979
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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

QUESTIONS, Page 6

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	315979
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	315987
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2023
What was the (estimated) number of samples that were to be gathered	17
What was the sampling surface area in square feet	900

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1123
What was the total volume (cubic yards) remediated	41
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1123
What was the total volume (in cubic yards) reclaimed	41
Summarize any additional remediation activities not included by answers (above)	see report

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 02/20/2024
----------------------------------------------------	--------------------------------------------------------------------------------------------------

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

QUESTIONS, Page 7

Action 315979

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	315979
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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 315979

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	315979
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2301930383 DIAMOND PWU 22 CTB 1, thank you. This Remediation Closure Report is approved.	4/22/2024