REMEDIATION CLOSURE REPORT

Incident ID NAPP2308623958

MEAN GREEN 23 CTB 2

Facility ID: fAPP2123648161

Prepared By:
Pima Environmental Services, LLC

Prepared For:
Devon Energy Production, LP

December 18, 2024
Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240

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

December 18, 2024

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

Re: Site Assessment and Closure Report
Mean Green 23 CTB 2
Facility ID: fAPP2123648161
GPS: Latitude 32.02821 Longitude -103.43457
UL - I, Section 23, T26S, R34E
Lea County, NM
NMOCD Ref. No. NAPP2308623958

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Assessment and Closure Report for a produced water release that occurred at the Mean Green 23 CTB 2 (Mean Green) The incident was assigned incident ID:NAPP2308623958, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Mean Green is located approximately thirteen (13) miles southwest of Bennett, NM. This spill site is in Unit I, Section 23, Township 26S, Range 34E, Latitude 32.02821 Longitude -103.43457, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands association, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Mean Green (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04856-POD1) ,the depth to the nearest groundwater in this vicinity measures 105 feet below grade surface (BGS), positioned 0.38 of a mile away from the Mean Green. Drilled on July 25, 2024. Conversely, as per the United States Geological Survey well water data (USGS 320108103191301 26S.35E.24.342444), the nearest groundwater depth in this region is recorded at 235 feet BGS, situated approximately 6.74 miles away from the Mean Green, with the last gauge conducted in 2012. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50’	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’(C-04856-POD1)	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Pima Environmental Services
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575-964-7740

Release Information

NAPP2308623958: On March 26, 2023, a pinhole leak developed on the water side of a 3-phase leg separator. The Lease Operator isolated lines and shut in the well to stop the leak. The released fluids were calculated to be approximately 8.4 barrels (bbl.) of produced water. A vacuum truck was called and was able to recover 2 bbl. of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On August 31, 2023, Pima mobilized personnel to the site to collect soil samples from the spill area. A hand auger was used to collect the samples from the affected area. The laboratory results of these sampling events are provided in the following data table. A Site Map is available in Figure 4.

8-31-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100)								
DEVON ENERGY -MEAN GREEN 23 CTB 2-NAPP2308623958								
Sample Date: 8/31/2023			NM Approved Laboratory Results					
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	1870
	2'	ND	ND	ND	ND	ND	0	522
	3'	ND	ND	ND	482	155	637	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	1020
	2'	ND	ND	ND	ND	ND	0	464
	3'	ND	ND	ND	250	424	674	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	1630
	2'	ND	ND	ND	ND	ND	0	501
	3'	ND	ND	ND	604	220	824	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	1860
	2'	ND	ND	ND	ND	ND	0	510
	3'	0.213	ND	ND	837	252	1089.21	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	891
	2'	ND	ND	ND	ND	ND	0	410
	3'	ND	ND	ND	814	292	1106	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	1440
	2'	ND	ND	ND	ND	ND	0	554
	3'	ND	ND	ND	812	279	1091	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	58.1	ND	58.1	ND
SW 2	6"	ND	ND	ND	58.7	ND	58.7	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	54.3	ND	54.3	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
SW 7	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	30.3	ND	30.3	ND

ND/0- Analyte Not Detected

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

On December 12, 2024, after sending a 48-hour notification (application ID: 410209, Appendix C), Pima returned to the site to collect confirmation samples from the designated assessment area, including perimeter samples. The composite samples were collected from the surface down to a depth of 4 feet using a hand auger. The results of this sampling event are summarized in the table below, and the Confirmation Sample Map is included in Figure 5.

12-12-24 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Mean Green 23 CTB 2-NAPP2308623958								
Date: 12-12-24		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
CS1	Surface -4'	ND	ND	ND	32.4	ND	32.4	820
CS2	Surface -4'	ND	ND	ND	63.1	ND	63.1	596
CS3	Surface -4'	ND	ND	ND	28.6	ND	28.6	820
CSW1	Surface -4' Comp	ND	ND	ND	ND	ND	0	ND
CSW2	Surface -4' Comp	ND	ND	ND	ND	ND	0	ND
CSW3	Surface -4' Comp	ND	ND	ND	ND	ND	0	ND
CSW4	Surface -4' Comp	ND	ND	ND	ND	ND	0	ND
CSW5	Surface -4' Comp	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAPP2308623958, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

For questions or additional information, please feel free to contact:
Devon Energy – Jim Raley at 575-689-7597 or Jim.raley@dvn.com.
Pima Environmental – Gio Gomez – 806-782-1151 or Gio@pimaoil.com.

Respectfully,
Gio Gomez
Project Manager
Pima Environmental Services, LLC

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

Attachments

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

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey, Geological Data, FEMA, and Wetlands Map
Appendix C – 48 Hour Notification
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

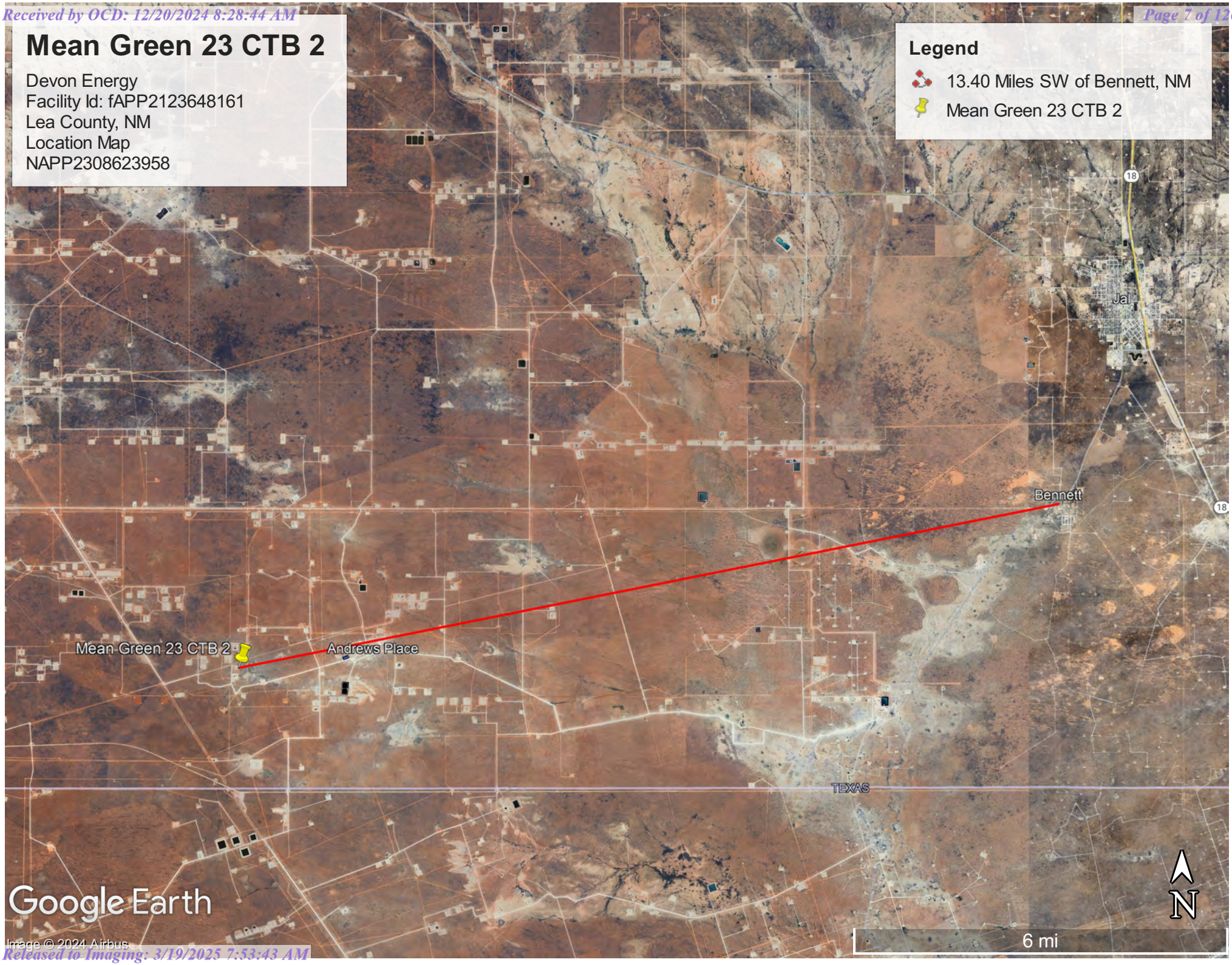
Figure 3- Karst Map

Figure 4- Site Map

Figure 5- Confirmation Sample Map

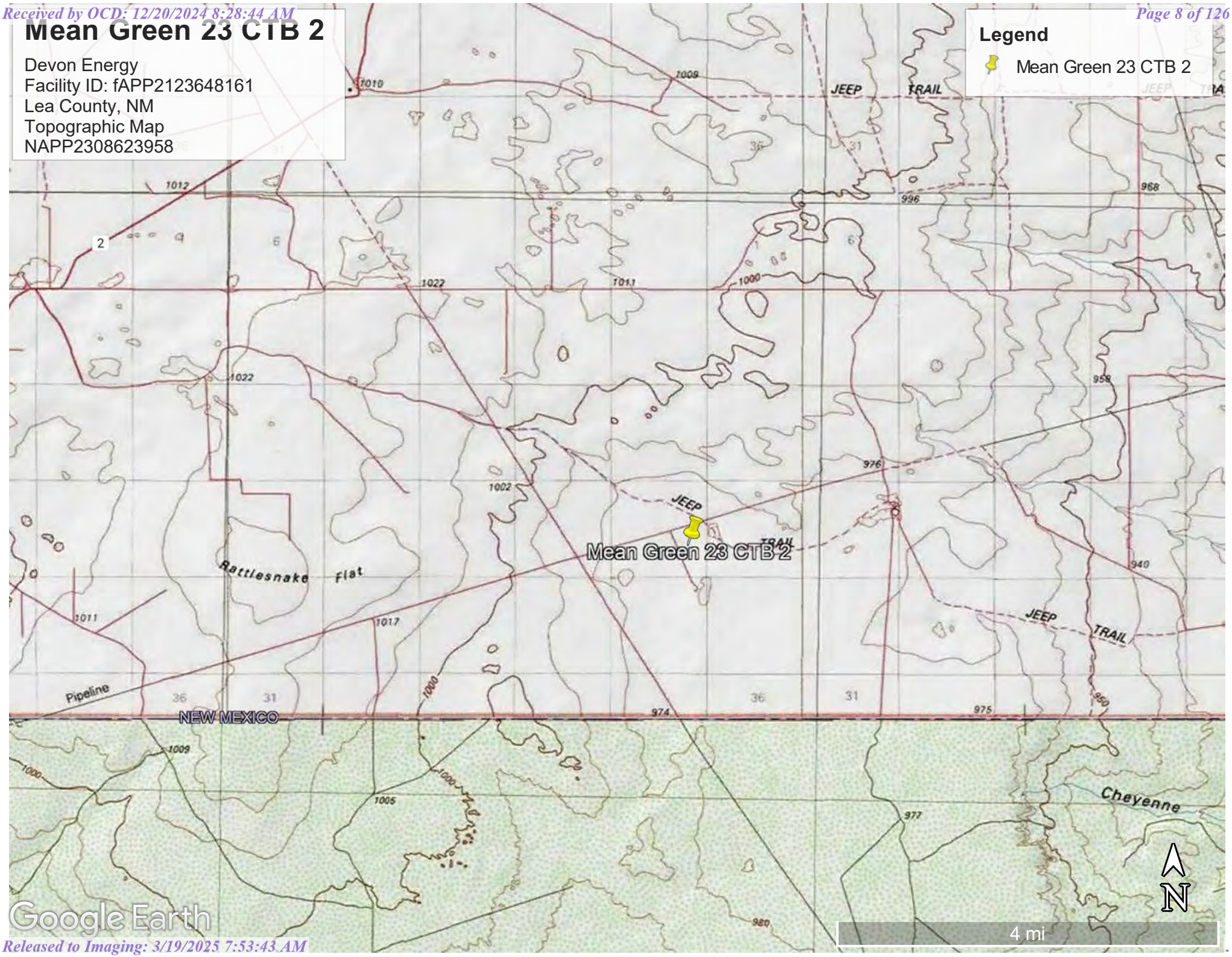
Mean Green 23 CTB 2

Devon Energy
Facility Id: fAPP2123648161
Lea County, NM
Location Map
NAPP2308623958



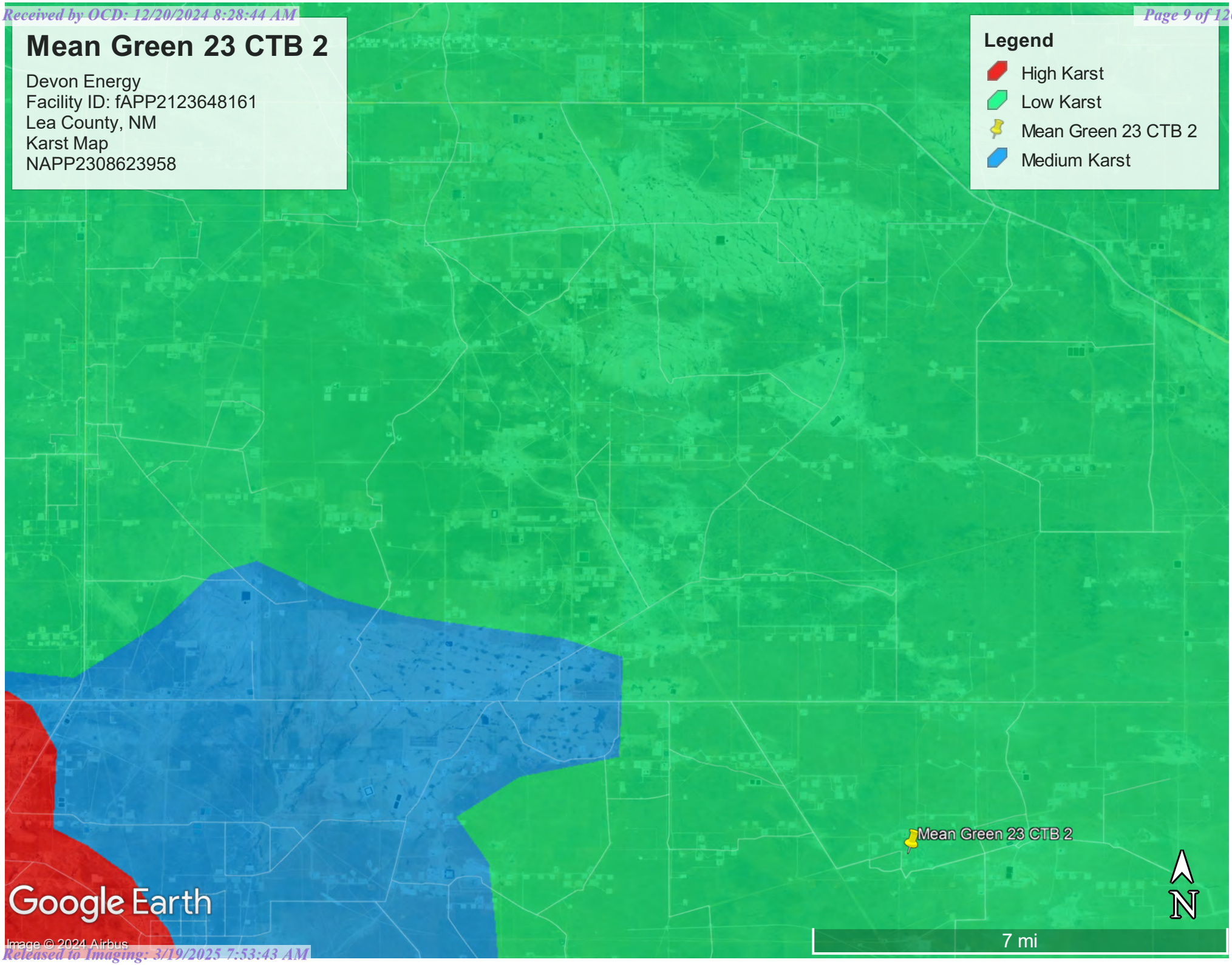
Mean Green 23 CTB 2

Devon Energy
Facility ID: fAPP2123648161
Lea County, NM
Topographic Map
NAPP2308623958



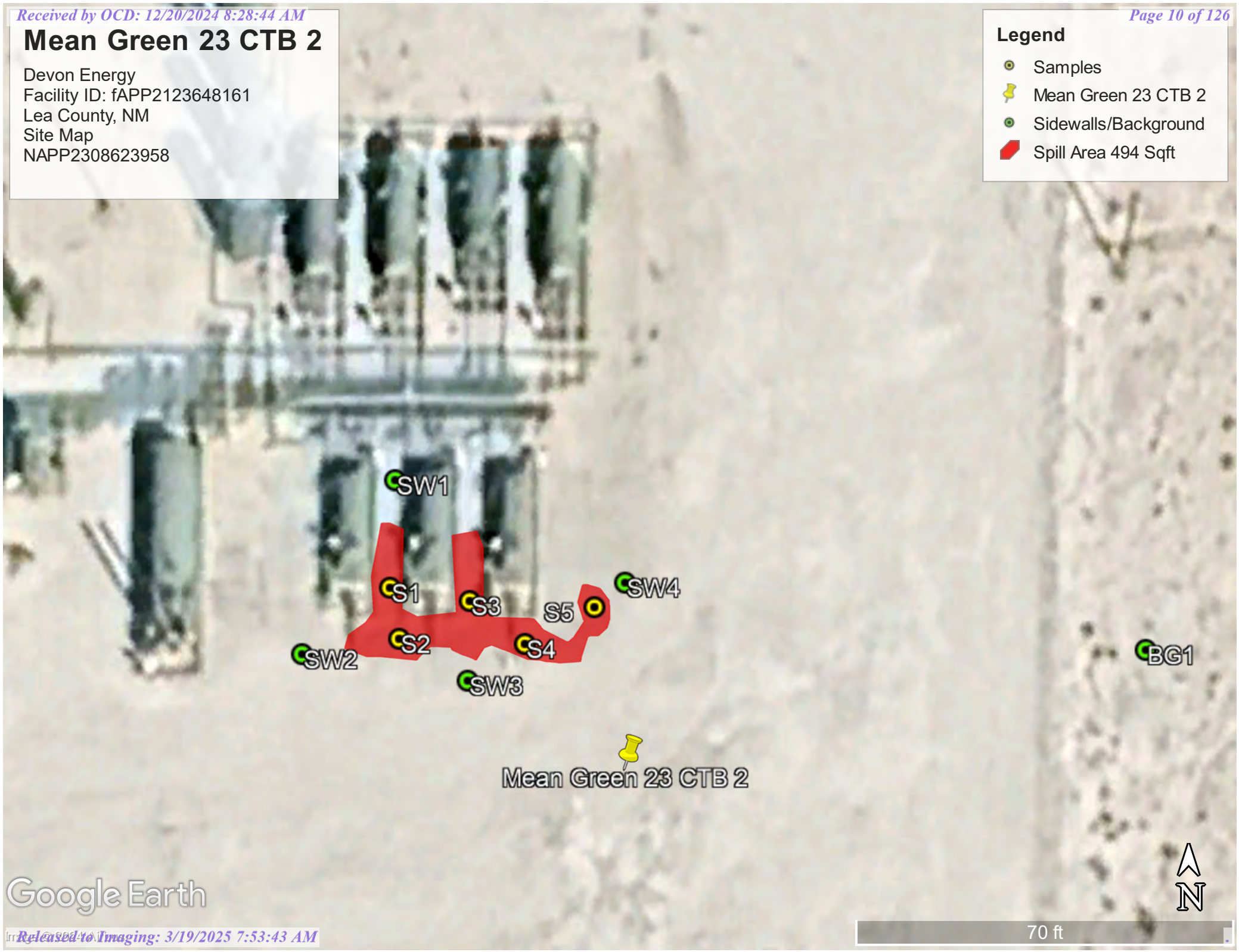
Mean Green 23 CTB 2

Devon Energy
Facility ID: fAPP2123648161
Lea County, NM
Karst Map
NAPP2308623958



Mean Green 23 CTB 2

Devon Energy
Facility ID: fAPP2123648161
Lea County, NM
Site Map
NAPP2308623958



Mean Green 23 CTB 2

Devon Energy
Facility ID: fAPP2123648161
Lea County, NM
Confirmation Sample Map
NAPP2308623958

Legend

- Confirmation Samples
- Mean Green 23 CTB 2

Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04856 POD1	NE	SW	NE	23	26S	34E	647550.6	3544940.3	

*** UTM location was derived from PLSS - see Help**

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.	
Driller Name:	JOHN SCARBOROUGH			
Drill Start Date:	2024-07-25	**Drill Finish Date:**	2024-07-25	**Plug Date:**
Log File Date:	2024-08-01	**PCW Rcv Date:**		**Source:**
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**
Casing Size:		**Depth Well:**	105	**Depth Water:**

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1	N/A	C-4856 ~~POD 1~~

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Production Company	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
205 E. Bender Road #150	Hobbs	NM	88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	01	51.64	N
	LONGITUDE	103	26	14.78	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1188	John Scarborough	John Scarborough Drilling Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/25/2024	07/25/2024	105	105	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	105	5	Soil Boring	-	-	-	-

OCD DIL AUG 1 2024 PM1:43

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4856-POD 1	POD NO. 1	TRN NO. 763064
LOCATION Nan 26.34.23.232	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	Silty Sand, Medium Brown to tan, Medium to fine grained	Y ✓ N	
10	20	10	Silty Sand, Medium brown to red, Medium to fine grained	Y ✓ N	
20	30	10	Sand with Gravel, light brown to white, fine to medium with some caliche gravel	Y ✓ N	
30	35	5	Sand with Gravel, light brown to white, fine to medium with some caliche gravel	Y ✓ N	
35	40	5	Sand with clay, light brown to white, fine to medium with some red clay	Y ✓ N	
40	48	4	Sand with Gravel, light brown to white, fine to medium with some caliche gravel	Y ✓ N	
48	55	8	Sandstone, Light brown to white, fine to coarse grained	Y ✓ N	
55	58	3	Sand with clay, light brown to yellow, very fine to medium with some grey clay	Y ✓ N	
58	60	2	Sand with clay, light brown to grey, very fine to medium with some grey clay	Y ✓ N	
60	68	8	Clay with sand, medium brown to red, with some medium brown sand	Y ✓ N	
68	70	2	Sand with clay, light to medium brown, very fine to medium with some grey clay	Y ✓ N	
70	74	4	Sand with clay medium brown to red, with some red clay	Y ✓ N	
74	80	6	Sand with clay, light brown to grey, very fine to medium with some grey clay	Y ✓ N	
80	90	10	Sand with clay, light brown to yellow, very fine to medium with some grey clay	Y ✓ N	
90	100	10	Silty Sand, light to medium brown, medium to fine grained	Y ✓ N	
100	105	5	Sand with Gravel, light brown to white, fine to medium with some caliche gravel	Y ✓ N	
105	105	0	Sand with Gravel, light brown to white, fine to medium with some caliche gravel	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.

OSE DII AUG 1 2024 PM1:43

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Scott Scarborough — Digitally signed by Scott Scarborough Date: 2024.07.30 10:43:42 -06'00'

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4856-POD 1	POD NO. 1	TRN NO. 763064	
LOCATION Mon 26.34.23.232		WELL TAG ID NO. —	PAGE 2 OF 2

State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 763064
File Nbr: C 04856
Well File Nbr: C 04856 POD1

Aug. 01, 2024

ASHLEY GIOVENGO
ENSOLUM, LLC
3122 NATIONAL PARKS HIGHWAY
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 07/11/2024.

The Well Record was received in this office on 08/01/2024, stating that it had been completed on 07/25/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 07/11/2025.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson
(575)622-6521

drywell

State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 763064
File Nbr: C 04856
Well File Nbr: C 04856 POD1

Aug. 01, 2024

DALE WOODALL
DEVON ENERGY PRODUCTION COMPANY
205 E. BENDER RD. #150
HOBBS, NM 88240

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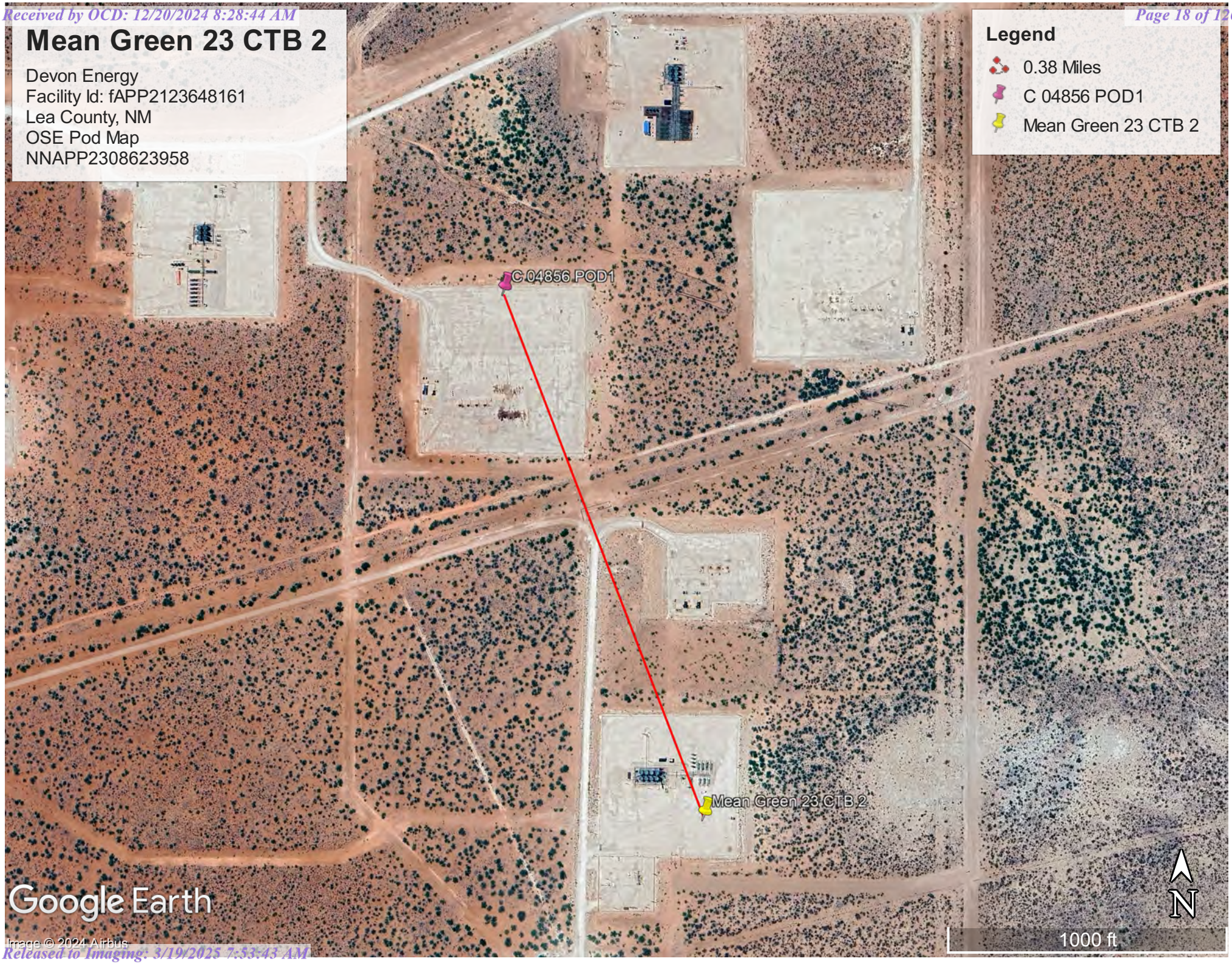
Sincerely,

Maret Thompson
(575)622-6521

drywell

Mean Green 23 CTB 2

Devon Energy
Facility Id: fAPP2123648161
Lea County, NM
OSE Pod Map
NNAPP2308623958



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320108103191301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

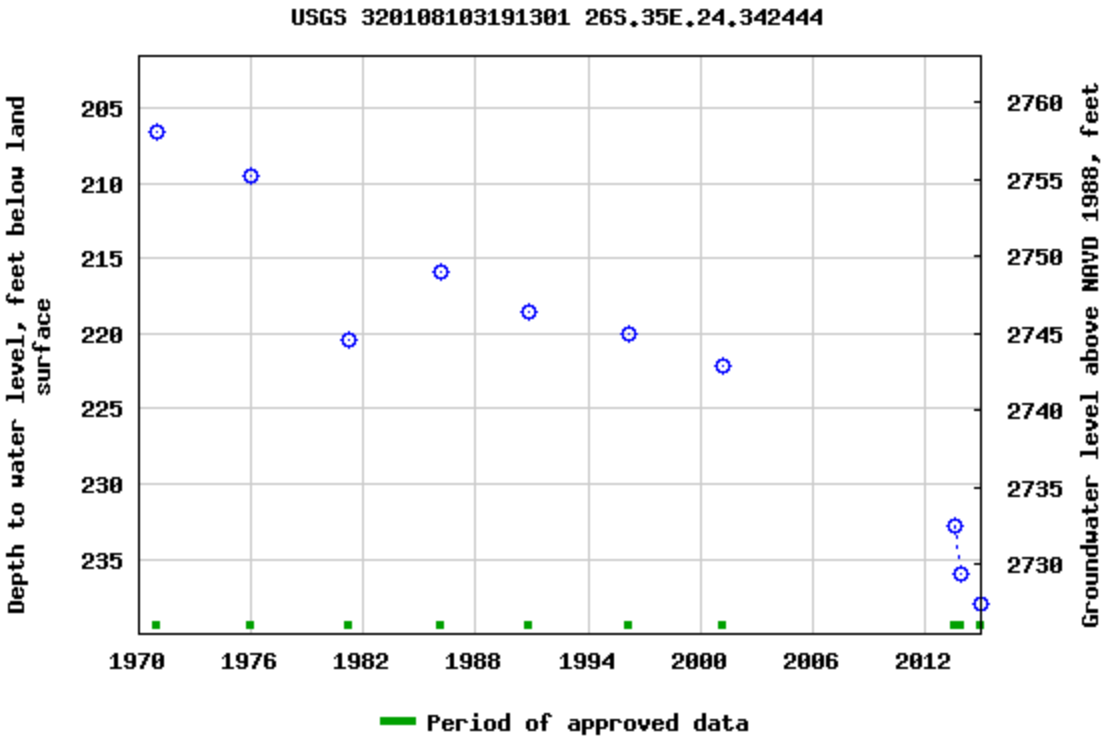
USGS 320108103191301 26S.35E.24.342444

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°01'08", Longitude 103°19'13" NAD27
Land-surface elevation 2,965 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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

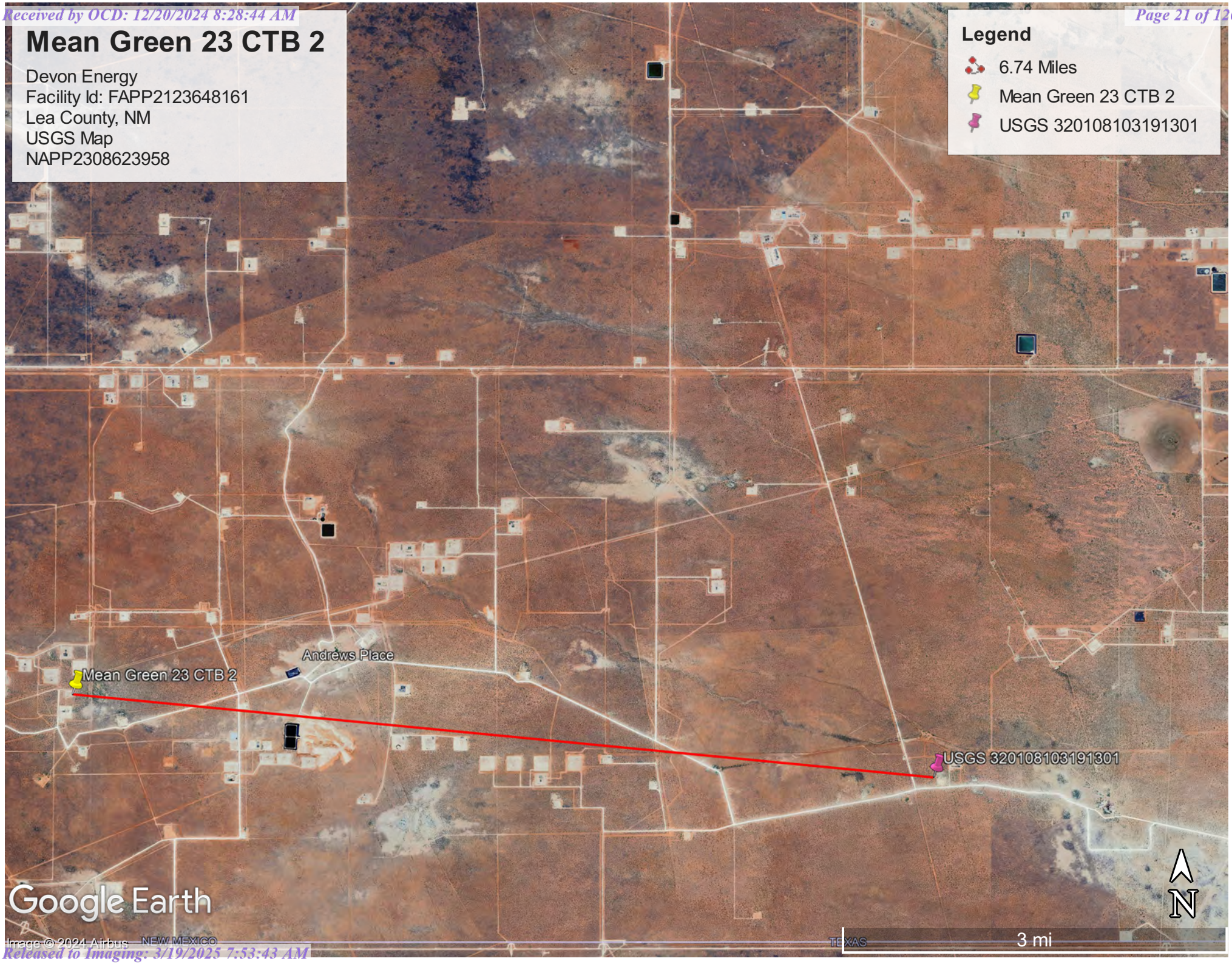
Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

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: 2024-12-09 14:22:48 EST
0.67 0.5 nadww01

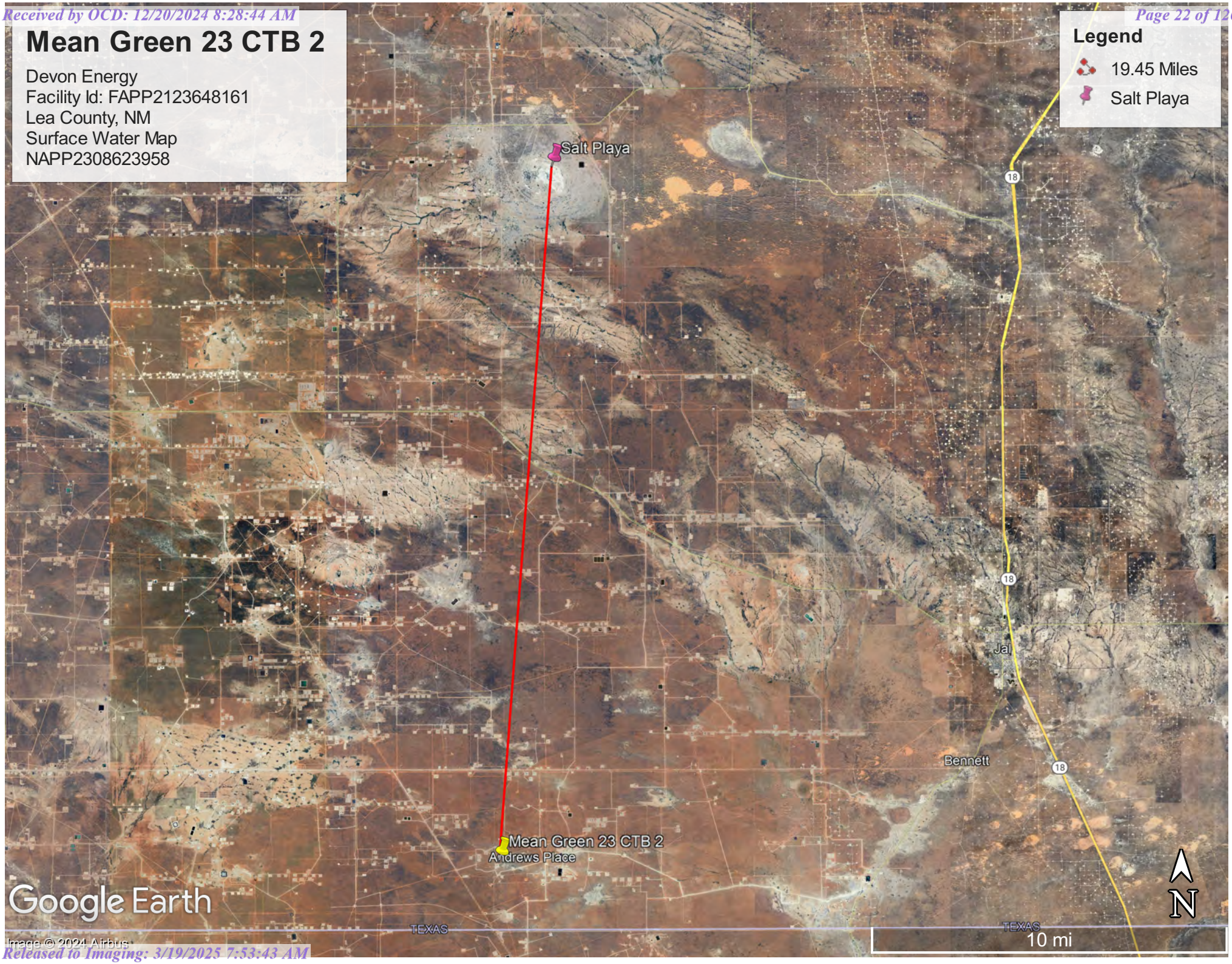
Mean Green 23 CTB 2

Devon Energy
Facility Id: FAPP2123648161
Lea County, NM
USGS Map
NAPP2308623958



Mean Green 23 CTB 2

Devon Energy
Facility Id: FAPP2123648161
Lea County, NM
Surface Water Map
NAPP2308623958



Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
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: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico

Map Scale: 1:2,370 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	24.3	100.0%
Totals for Area of Interest		**24.3**	**100.0%**

(https://www.usgs.gov/)

Mineral Resources (https://www.usgs.gov/energy-and-minerals/mineral-resources-program) / Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/) / New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0) | JSON (/geology/state/json/NMQep;0)

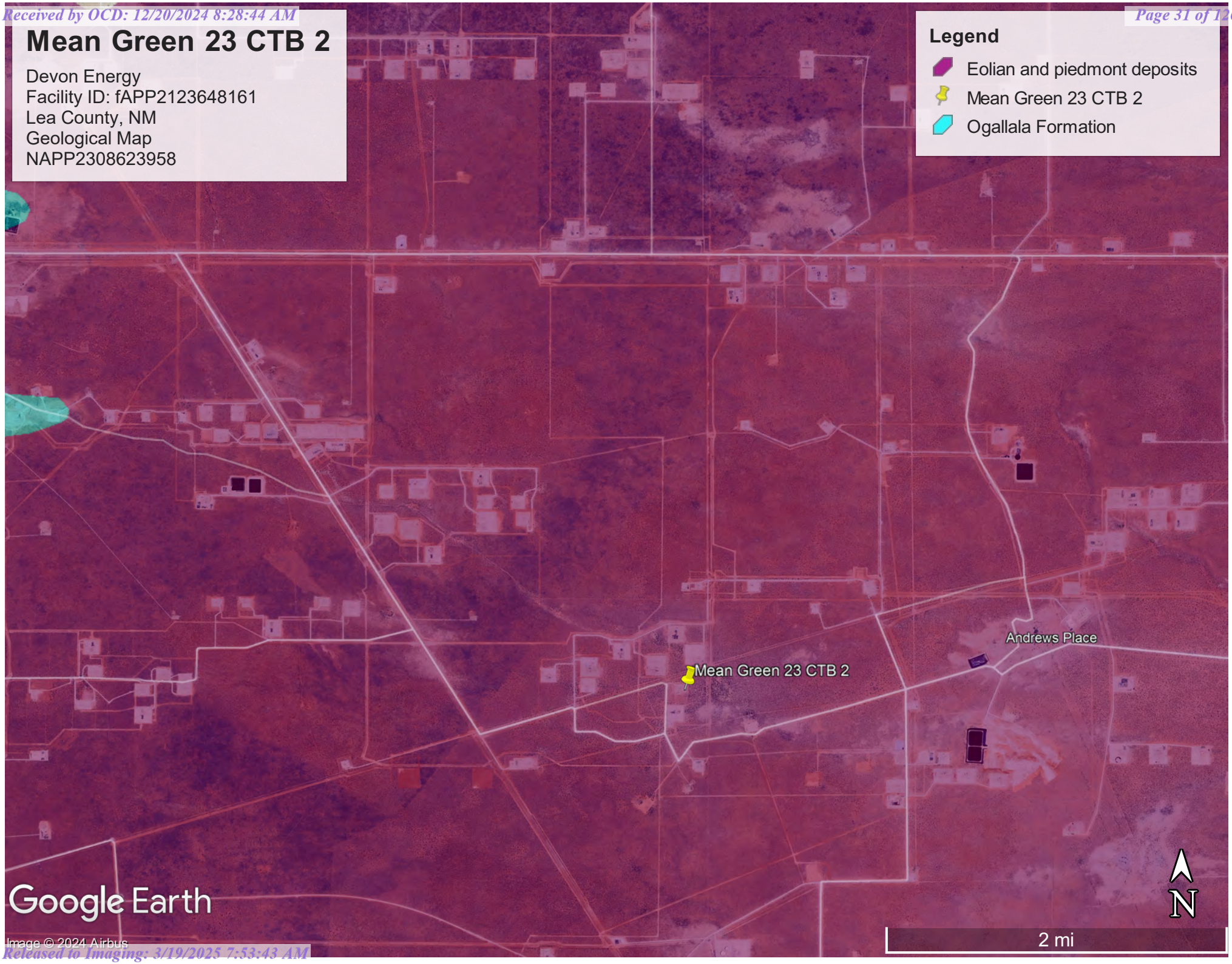
Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated *(Eolian)* *Interlayered eolian sands and piedmont-slope deposits*
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

Mean Green 23 CTB 2

Devon Energy
Facility ID: fAPP2123648161
Lea County, NM
Geological Map
NAPP2308623958



National Flood Hazard Layer FIRMette

FEMA

103°26'26"W 32°1'51"N

103°25'48"W 32°1'21"N

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

1:6,000

Basemap Imagery Source: USGS National Map 2023

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 12/18/2024 at 7:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

December 9, 2024

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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Appendix C

- 48-Hour Notification

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 410209
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2308623958**
Incident Name	**NAPP2308623958 MEAN GREEN 23 CTB 2 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123648161] MEAN GREEN 23 CTB 2**

Location of Release Source	
Site Name	**MEAN GREEN 23 CTB 2**
Date Release Discovered	**03/26/2023**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	500
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/12/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco -806-200-0054
Please provide any information necessary for navigation to sampling site	From the intersection of NM 128 and County Rd 2, Travel southwest on County Rd 2 for 11. 56miles, turn East on Anthony Rd for 8. 55 miles, turn south on lease Rd for 2.40 miles, turn east on Lease Rd for 1.95miles, turn north for 0.09 of a mile arriving at the location on the right. I-23-26S-34E 2449 FNL 890 FEL 32.0281,-103.43457 NAD83

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 410209
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/10/2024

Appendix D

- Photographic Documentation

Pima Environmental Services, LLC.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Mean Green 23 CTB 2

Assessment :

Site Information Sign

Photograph of site tech assessing the area, Facing Southeast.

Photograph of site tech assessing the area, Facing East.

Photograph of site tech assessing the area, Facing Northwest.

Photograph of site tech assessing the area, Facing South.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Mean Green 23 CTB 2

Confirmation Samples :

Photo showing where site tech collected confirmation samples facing South.

Photo showing where site tech collected confirmation samples facing West.

Photo showing where site tech collected confirmation samples facing Southwest.

Photo showing where site tech collected confirmation samples facing Northwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Mean Green 23 CTB 2

Aerial Photos :

Aerial Photo of location.

Aerial Photo of location.

Aerial Photo of location.

Aerial Photo of location.

Appendix E

- Laboratory Reports

Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services	
Project: Mean Green 23 CTB2	
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: Deyon	
Address:	
City, State, Zip	
Phone:	
Email:	
Pima Project # 284-1	

Lab Use Only

Lab WO#	Job Number
E 309012	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
7:00	8/31	S	1	S1-1'	1									X				
7:07				S1-2'	2													
7:13				S1-3'	3													
7:20				S1-4'	4													
7:26				S2-1'	5													
7:30				S2-2'	6													
7:34				S2-3'	7													
7:39				S2-4'	8													
7:40				S3-1'	9													
7:43				S3-2'	10													

Additional Instructions: Billing # 21145665

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kurime Adame	9/1/23	2:00	Michelle Cruz	9-1-23	1400
Michelle Cruz	9-1-23	1645	Andrea Mora	9.1.23	1845
Andrea Mora	9.2.23	0115	Caitlin Man	9/5/23	8:15

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 4

Client: Pima Environmental Services	Bill To
Project: Mean Green 23 CTB 2	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 284-1
Report due by:	

Lab Use Only: Lab WO# E309012 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM X | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
7:45	8/31	S	1	S3 - 3'	11	
7:49				S3 - 4	12	
7:50				S4 - 1'	13	
7:56				S4 - 2'	14	
7:59				S4 - 3'	15	
8:00				S4 - 4'	16	
8:09				S5 - 1'	17	
8:13				S5 - 2'	18	
8:17				S5 - 3'	19	
8:22				S5 - 4'	20	

Additional Instructions: Billing # 21145665

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karisma Adame	9/1/23	2:00	Michelle Gaul	9-1-23	1400
Michelle Gaul	9-1-23	1645	Sandra Morse	9.1.23	1845
Sandra Morse	9.2.23	0115	Cathy Man	9/5/23	8.15

Lab Use Only — Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 9/5/2023 11:40:55AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/05/23 08:15	Work Order ID:	E309012
Phone:	(575) 631-6977	Date Logged In:	09/05/23 09:12	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Mean Green 23 CTB 2 has been separated into 2 reports due to high sample volume. Workorders are as follows: E309012 & E309013.

Client Instruction

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Mean Green 23 CTB 2
Work Order:	E309013
Job Number:	01058-0007
Received:	9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/8/23

Date Reported: 9/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Mean Green 23 CTB 2
Workorder: E309013
Date Received: 9/5/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Mean Green 23 CTB 2.

The analytical test results summarized in this report with the Project Name: Mean Green 23 CTB 2 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 reguarding 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
ljarboe@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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/08/23 13:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E309013-01A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S6 - 2'	E309013-02A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S6 - 3'	E309013-03A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S6 - 4'	E309013-04A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW1	E309013-05A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW2	E309013-06A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW3	E309013-07A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW4	E309013-08A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW5	E309013-09A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW6	E309013-10A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
SW7	E309013-11A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
BG1	E309013-12A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

S6 - 1'

E309013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	**1440**	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

S6 - 2'

E309013-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	**554**	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

S6 - 3'

E309013-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	**812**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	**279**	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*116 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

S6 - 4'

E309013-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW1

E309013-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	**58.1**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*97.3 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW2

E309013-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	**58.7**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW3

E309013-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW4

E309013-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/07/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW5

E309013-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	**54.3**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW6

E309013-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

SW7

E309013-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*96.5 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

BG1

E309013-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336067
Diesel Range Organics (C10-C28)	**30.3**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336051
Chloride	ND	20.0	1	09/06/23	09/08/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336016-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
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	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
LCS (2336016-BS1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.46	0.0250	2.50		98.4	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.6	70-130			
Toluene	2.30	0.0250	2.50		92.0	70-130			
o-Xylene	2.30	0.0250	2.50		92.1	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
Matrix Spike (2336016-MS1)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.79	0.0250	2.50	ND	112	48-131			
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135			
Toluene	2.56	0.0250	2.50	ND	102	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.76	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.479*		*0.500*		*95.7*	*70-130*			
Matrix Spike Dup (2336016-MSD1)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.53	0.0250	2.50	ND	101	48-131	9.95	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	9.07	27	
Toluene	2.36	0.0250	2.50	ND	94.4	48-130	8.07	24	
o-Xylene	2.36	0.0250	2.50	ND	94.2	43-135	10.4	27	
p,m-Xylene	4.64	0.0500	5.00	ND	92.8	43-135	10.3	27	
Total Xylenes	6.99	0.0250	7.50	ND	93.3	43-135	10.3	27	
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.484*		*0.500*		*96.8*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336016-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
LCS (2336016-BS2)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		90.9	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.8*	*70-130*			
Matrix Spike (2336016-MS2)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			
Matrix Spike Dup (2336016-MSD2)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	0.713	20	
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.6*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336067-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
LCS (2336067-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.7*	*50-200*			
Matrix Spike (2336067-MS1)				**Source: E309007-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	268	25.0	250	27.6	96.1	38-132			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.5*	*50-200*			
Matrix Spike Dup (2336067-MSD1)				**Source: E309007-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	267	25.0	250	27.6	95.7	38-132	0.422	20	
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/8/2023 1:04:27PM

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 (2336051-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Chloride	ND	20.0							
LCS (2336051-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2336051-MS1)				**Source: E308245-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Chloride	262	20.0	250	20.0	96.9	80-120			
Matrix Spike Dup (2336051-MSD1)				**Source: E308245-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Chloride	273	20.0	250	20.0	101	80-120	4.17	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:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/08/23 13:04

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.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Mean Green 23 CTB 2
Work Order:	E309012
Job Number:	01058-0007
Received:	9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/23

Date Reported: 9/11/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Mean Green 23 CTB 2
Workorder: E309012
Date Received: 9/5/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Mean Green 23 CTB 2.

The analytical test results summarized in this report with the Project Name: Mean Green 23 CTB 2 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 reguarding 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
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Table of Contents

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/11/23 10:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E309012-01A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S1 - 2'	E309012-02A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S1 - 3'	E309012-03A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S1 - 4'	E309012-04A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S2 - 1'	E309012-05A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S2 - 2'	E309012-06A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S2 - 3'	E309012-07A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S2 - 4'	E309012-08A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S3 - 1'	E309012-09A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S3 - 2'	E309012-10A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S3 - 3'	E309012-11A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S3 - 4'	E309012-12A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S4 - 1'	E309012-13A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S4 - 2'	E309012-14A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S4 - 3'	E309012-15A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S4 - 4'	E309012-16A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S5 - 1'	E309012-17A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S5 - 2'	E309012-18A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S5 - 3'	E309012-19A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.
S5 - 4'	E309012-20A	Soil	08/31/23	09/05/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S1 - 1'

E309012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/06/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/06/23	
Toluene	ND	0.0250	1	09/05/23	09/06/23	
o-Xylene	ND	0.0250	1	09/05/23	09/06/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/06/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**1870**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S1 - 2'

E309012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/06/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/06/23	
Toluene	ND	0.0250	1	09/05/23	09/06/23	
o-Xylene	ND	0.0250	1	09/05/23	09/06/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/06/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**522**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S1 - 3'

E309012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	**482**	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	**155**	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*132 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S1 - 4'

E309012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/06/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/06/23	
Toluene	ND	0.0250	1	09/05/23	09/06/23	
o-Xylene	ND	0.0250	1	09/05/23	09/06/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/06/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/06/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/05/23*	*09/06/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S2 - 1'

E309012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**1020**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S2 - 2'

E309012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**464**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S2 - 3'

E309012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	**250**	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	**424**	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S2 - 4'

E309012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/07/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/07/23*	*09/07/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S3 - 1'

E309012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**1630**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S3 - 2'

E309012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*97.7 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**501**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S3 - 3'

E309012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	**604**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	**220**	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S3 - 4'

E309012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S4 - 1'

E309012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**1860**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S4 - 2'

E309012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**510**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S4 - 3'

E309012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	**0.0655**	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	**0.147**	0.0500	1	09/05/23	09/07/23	
Total Xylenes	**0.213**	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	**837**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	**252**	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S4 - 4'

E309012-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S5 - 1'

E309012-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**891**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S5 - 2'

E309012-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	**410**	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S5 - 3'

E309012-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	**814**	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	**292**	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

S5 - 4'

E309012-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2336063
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/08/23	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*09/07/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336058
Chloride	ND	20.0	1	09/06/23	09/08/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336021-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
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	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
LCS (2336021-BS1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.89	0.0250	2.50		115	70-130			
Ethylbenzene	2.79	0.0250	2.50		112	70-130			
Toluene	2.93	0.0250	2.50		117	70-130			
o-Xylene	2.95	0.0250	2.50		118	70-130			
p,m-Xylene	5.81	0.0500	5.00		116	70-130			
Total Xylenes	8.76	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
Matrix Spike (2336021-MS1)				**Source: E309012-04**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.90	0.0250	2.50	ND	116	48-131			
Ethylbenzene	2.81	0.0250	2.50	ND	112	45-135			
Toluene	2.89	0.0250	2.50	ND	116	48-130			
o-Xylene	2.93	0.0250	2.50	ND	117	43-135			
p,m-Xylene	5.85	0.0500	5.00	ND	117	43-135			
Total Xylenes	8.78	0.0250	7.50	ND	117	43-135			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2336021-MSD1)				**Source: E309012-04**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.82	0.0250	2.50	ND	113	48-131	2.85	23	
Ethylbenzene	2.75	0.0250	2.50	ND	110	45-135	2.16	27	
Toluene	2.82	0.0250	2.50	ND	113	48-130	2.59	24	
o-Xylene	2.94	0.0250	2.50	ND	118	43-135	0.460	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	1.37	27	
Total Xylenes	8.71	0.0250	7.50	ND	116	43-135	0.755	27	
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336021-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
LCS (2336021-BS2)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	56.5	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike (2336021-MS2)				**Source: E309012-04**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			
Matrix Spike Dup (2336021-MSD2)				**Source: E309012-04**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	60.0	20.0	50.0	ND	120	70-130	15.1	20	
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336063-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
LCS (2336063-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*50-200*			
Matrix Spike (2336063-MS1)				**Source: E309012-07**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	1000	25.0	250	1250	NR	38-132			M4
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
Matrix Spike Dup (2336063-MSD1)				**Source: E309012-07**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	1080	25.0	250	1250	NR	38-132	7.58	20	M4
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/11/2023 10:22:02AM

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 (2336058-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336058-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	243	20.0	250		97.2	90-110			
Matrix Spike (2336058-MS1)				**Source: E309012-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	2130	20.0	250	1870	106	80-120			
Matrix Spike Dup (2336058-MSD1)				**Source: E309012-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	2340	20.0	250	1870	189	80-120	9.35	20	M4

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:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/11/23 10:22

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services	Bill To
Project: Mean Green 23 CTB2	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 284-1
Report due by:	

Lab Use Only: Lab WO# E309012 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

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
7:00	8/31	S	1	S1-1'	1							X		
7:07				S1-2'	2									
7:13				S1-3'	3									
1:20				S1-4'	4									
7:26				S2-1'	5									
7:30				S2-2'	6									
7:34				S2-3'	7									
7:39				S2-4'	8									
7:40				S3-1'	9									
7:43				S3-2'	10									

Additional Instructions: Billing # 21145665

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kurime Adame	9/1/23	2:00	Michelle Cruz	9-1-23	1400
Michelle Cruz	9-1-23	1645	Andrea Mora	9.1.23	1845
Andrea Mora	9.2.23	0115	Caitlin Man	9/5/23	8:15

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

envirotech

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Mean Green 23 CTB 2
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 284-1

Lab Use Only
Lab WO# E309012
Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

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
7:45	8/31	S	1	S3 - 3'	11									X				
7:49	"	"	"	S3 - 4	12									"				
7:50	"	"	"	S4 - 1'	13									"				
7:56	"	"	"	S4 - 2'	14									"				
7:59	"	"	"	S4 - 3'	15									"				
8:00	"	"	"	S4 - 4'	16									"				
8:09	"	"	"	S5 - 1'	17									"				
8:13	"	"	"	S5 - 2'	18									"				
8:17	"	"	"	S5 - 3'	19									"				
8:22	"	"	"	S5 - 4'	20									"				

Additional Instructions: Billing # 21145665

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karisma Adame	9/1/23	2:00	Michelle Gaul	9-1-23	1400
Michelle Gaul	9-1-23	1645	[illegible]	9.1.23	1845
[illegible]	9.2.23	0115	Cathy Man	9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 9/5/2023 11:40:55AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/05/23 08:15	Work Order ID:	E309012
Phone:	(575) 631-6977	Date Logged In:	09/05/23 09:12	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Mean Green 23 CTB 2 has been separated into 2 reports due to high sample volume. Workorders are as follows: E309012 & E309013.

Client Instruction

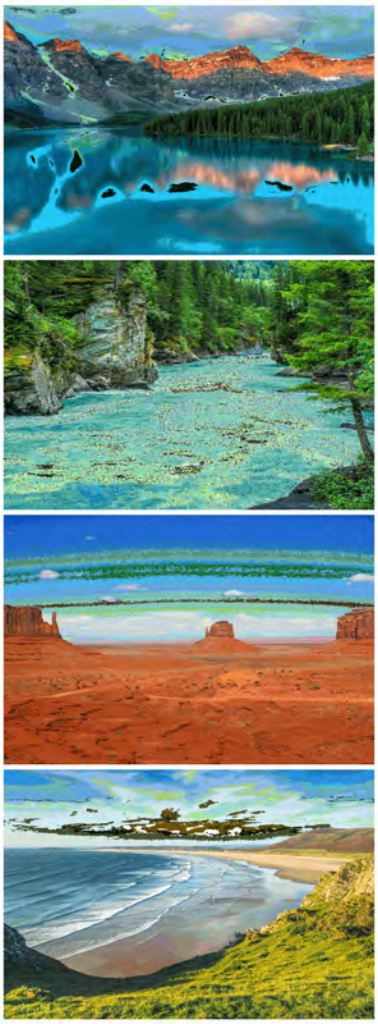
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Gio Gomez



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Mean Green 23 CTB 2
Work Order:	E412109
Job Number:	01058-0007
Received:	12/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/24

Date Reported: 12/16/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Mean Green 23 CTB 2
Workorder: E412109
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Mean Green 23 CTB 2.

The analytical test results summarized in this report with the Project Name: Mean Green 23 CTB 2 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/24 13:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1- Surface -4'	E412109-01A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CS2- Surface -4'	E412109-02A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CS3- Surface -4'	E412109-03A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CSW1 Surface -4 Comp	E412109-04A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CSW2 Surface -4' Comp	E412109-05A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CSW3 Surface -4' Comp	E412109-06A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CSW4 Surface -4' Comp	E412109-07A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.
CSW5 Surface -4' Comp	E412109-08A	Solid	12/12/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CS1- Surface -4'

E412109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	**32.4**	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	**820**	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CS2- Surface -4'

E412109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	**63.1**	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	**596**	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CS3- Surface -4'

E412109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.4 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*88.4 %*	*70-130*	*12/12/24*	*12/14/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	**28.6**	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	**820**	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CSW1 Surface -4 Comp

E412109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*94.5 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*94.5 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CSW2 Surface -4' Comp

E412109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*92.9 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*92.9 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CSW3 Surface -4' Comp

E412109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CSW4 Surface -4' Comp

E412109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

CSW5 Surface -4' Comp

E412109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*93.1 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
Surrogate: Bromofluorobenzene		*93.1 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/12/24*	*12/15/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/12/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450114-BLK1)									Prepared: 12/12/24 Analyzed: 12/13/24
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	*0.585*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.559*		*0.500*		*112*	*70-130*			
LCS (2450114-BS1)									Prepared: 12/12/24 Analyzed: 12/13/24
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.11	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.586*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.556*		*0.500*		*111*	*70-130*			
LCS Dup (2450114-BSD1)									Prepared: 12/12/24 Analyzed: 12/14/24
Benzene	2.59	0.0250	2.50		104	70-130	1.24	23	
Ethylbenzene	2.66	0.0250	2.50		106	70-130	1.25	27	
Toluene	2.63	0.0250	2.50		105	70-130	0.610	24	
o-Xylene	2.77	0.0250	2.50		111	70-130	2.03	27	
p,m-Xylene	5.52	0.0500	5.00		110	70-130	2.26	27	
Total Xylenes	8.29	0.0250	7.50		111	70-130	2.18	27	
Surrogate: Bromofluorobenzene	*0.596*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.553*		*0.500*		*111*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450114-BLK1)									Prepared: 12/12/24 Analyzed: 12/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.585*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.559*		*0.500*		*112*	*70-130*			
LCS (2450114-BS2)									Prepared: 12/12/24 Analyzed: 12/14/24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: Bromofluorobenzene	*0.605*		*0.500*		*121*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.555*		*0.500*		*111*	*70-130*			
LCS Dup (2450114-BSD2)									Prepared: 12/12/24 Analyzed: 12/14/24
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	4.31	20	
Surrogate: Bromofluorobenzene	*0.600*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.553*		*0.500*		*111*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450105-BLK1)									Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			
LCS (2450105-BS1)									Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			
LCS Dup (2450105-BSD1)									Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	1.58	20	
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/2024 1:27:15PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450131-BLK1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	ND	20.0							
LCS (2450131-BS1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2450131-BSD1)									Prepared: 12/13/24 Analyzed: 12/14/24
Chloride	257	20.0	250		103	90-110	0.316	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:	Mean Green 23 CTB 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/24 13:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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 4

Client: Pima Environmental Services	Bill To
Project: Mean Green 23 CTB2	Attention: Devon
Project Manager: Gio Gomez	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 806-782-1151	Email:
Email: gio@pimaoil.com	Pima Project # 284-1
Report due by:	

Lab Use Only: Lab WO# E412109 — Job Number 01558007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8250 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	12/12	S		CS1 Surface -4'	1	X	
8:11	"	"		CS2 -Surface -4'	2		
8:17	"	"		CS3 - Surface -4'	3		
8:20	"	"		CSW1 Surface -4 Comp.	4		
8:28	"	"		CSW2 Surface -4' Comp.	5		
8:33	"	"		CSW3 Surface -4' Comp.	6		
8:39	"	"		CSW4 Surface -4' Comp.	7		
8:41	"	"		CSW5 Surface -4' Comp.	8	1	

Additional Instructions: Billing # 21145665

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Larime Adame			Michelle Gonzales	12-12-24	1400
Michelle Gonzales	12.12.24	1615		12.12.24	1615
	12-12-24	2245	Caitlin Mann	12.13.24	800

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/13/2024 11:23:05AM

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:	12/13/24 08:00	Work Order ID:	E412109
Phone:	(575) 631-6977	Date Logged In:	12/13/24 09:40	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	12/13/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

No of containers and sampled by missing on COC.

Client Instruction

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

Date

envirotech Inc.

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

QUESTIONS

Action 414218

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2308623958**
Incident Name	**NAPP2308623958 MEAN GREEN 23 CTB 2 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2123648161] MEAN GREEN 23 CTB 2**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MEAN GREEN 23 CTB 2
Date Release Discovered	03/26/2023
Surface Owner	Federal

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 | Separator | Produced Water | Released: 8 BBL | Recovered: 2 BBL | Lost: 6 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)	Pinhole developed on the water side of eh 3 phase leg releasing 8.4 bbls of produced water. The Lease Operator isolated lines and shut in the well to stop the leak. 1.5 bbls were recovered. Leak was not in a lined containment. Leak did not go off pad.

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414218
	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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/20/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414218
	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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
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)	1870
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1089
GRO+DRO (EPA SW-846 Method 8015M)	814
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	12/18/2024
On what date will (or did) the final sampling or liner inspection occur	12/12/2024
On what date will (or was) the remediation complete(d)	12/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
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.	

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QUESTIONS (continued)

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	Action Number: 414218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*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)	Yes
Other Non-listed Remedial Process. Please specify	No soils needed removal
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 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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/20/2024
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.	

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QUESTIONS (continued)

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	Action Number: 414218
	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

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QUESTIONS (continued)

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	Action Number: 414218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**410209**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/12/2024**
What was the (estimated) number of samples that were to be gathered	**8**
What was the sampling surface area in square feet	**500**

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	0
What was the total volume (cubic yards) remediated	0
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/20/2024

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QUESTIONS (continued)

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	Action Number: 414218
	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

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CONDITIONS

Action 414218

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	3/19/2025