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# SITE ASSESSMENT AND REMEDIATION WORK PLAN

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## **Mean Green 23 CTB 2**

Incident ID: NAPP2417834917

Facility ID: fAPP2123648161

Prepared By:  
Pima Environmental Services, LLC

Prepared For:  
Devon Energy Production, LP

JANUARY 17, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240

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



NMOCD District 1  
1625 N. French Drive  
Hobbs, NM 88240

Bureau of Land Management  
620 E Green St.  
Carlsbad, NM 88220

**Re: Site Characteristic and Remediation Work Plan**  
**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. NAPP2417834917**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Characteristic and Remediation Work Plan for a produced water release that occurred at the Mean Green 23 CTB 2 (Mean Green). This incident was assigned Incident ID NAPP2417834917 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 of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands, 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-POD 1), the depth to the nearest groundwater in this vicinity measures 105 feet below grade surface (BGS), positioned 0.38 miles away from the Mean Green, drilled, 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 237 feet BGS, situated approximately 6.75 miles away from the Mean Green, with the last gauge conducted in 2012. The nearest surface water feature is a Salt Playa located approximately 18.94 miles to the North of this site. 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

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



## Release Information

**NAPP2417834917:** On June 25, 2024, a 1" nipple on a 3-phase water dump developed a leak. The released fluids were calculated to be approximately 10 barrels (bbl.) of produced water. Leak was isolated to stop release. A vacuum truck was called and was able to recover 8 bbl. of standing fluid.

## Remediation Activities, Site Assessment, and Soil Sampling Results

On June 28, 2024, 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.

6-28-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
DEVON ENERGY Mean Green 23 CTB 2 -NAPP2417834917								
Date: 6-28-24		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
S1	1'	ND	ND	ND	780	545	1325	15300
	2'	ND	ND	ND	ND	ND	0	8880
	3'	ND	ND	ND	ND	ND	0	4240
	4'	ND	ND	ND	ND	ND	0	251
	5'	ND	ND	ND	ND	ND	0	158
S2	1'	ND	ND	ND	ND	ND	0	12800
	2'	ND	ND	ND	ND	ND	0	8010
	3'	ND	ND	ND	ND	ND	0	4320
	4'	ND	ND	ND	ND	ND	0	252
	5'	ND	ND	ND	ND	ND	0	86.7
S3	1'	ND	ND	ND	ND	ND	0	13800
	2'	ND	ND	ND	ND	ND	0	7810
	3'	ND	ND	ND	ND	ND	0	4410
	4'	ND	ND	ND	ND	ND	0	210
	5'	ND	ND	ND	ND	ND	0	126
S4	1'	ND	ND	ND	ND	ND	0	12900
	2'	ND	ND	ND	ND	ND	0	8480
	3'	ND	ND	ND	ND	ND	0	4100
	4'	ND	ND	ND	ND	ND	0	125
	5'	ND	ND	ND	ND	ND	0	53.5
S5	1'	ND	ND	ND	311	223	534	877
	2'	ND	ND	ND	ND	ND	0	991
	3'	ND	ND	ND	ND	ND	0	841
	4'	ND	ND	ND	ND	ND	0	108
	5'	ND	ND	ND	ND	ND	0	ND
SW1	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW2	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW3	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW4	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW5	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW6	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW7	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW8	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW9	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
SW10	Surface-5' Comp	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND/0: Analyte non-detect

Complete Laboratory Reports are attached in Appendix E.

**Remediation Work Plan**

Based on the sample results and available groundwater information, remediation of the impacted areas is not required beyond addressing surface staining. However, areas S1 through S5 will need to be excavated to a depth of six inches (6") below ground surface to remediate surface contamination.

1. Submit a one-call through the NM811 system.
2. The estimated volume of soil to be remediated from the above-mentioned sample points is totaling 600 square feet at an average depth of 6 inches below ground surface and approximately 11 cubic yards.
3. We propose to excavate the affected areas using mechanical and hand equipment and dispose of the contaminated soil at an NMOCD-approved facility. A Proposed Excavation Map can be found in Figure 5.
4. After Devon submits a 48-hour sampling notification, we will collect 5-point composite samples from the excavated areas. These sample points will include base samples from excavated areas, and sidewall samples from the walls of each excavation representative of no more than 200 square feet.
5. Upon final receipt of laboratory reports showing contamination levels are under the regulatory limits of Table 1 19.15.29 NMAC. The excavation will be backfilled with clean, like material, and a remediation closure report will be drafted and submitted to the NMOCD portal for review and approval.
6. Work will commence within 30 days of approval of this work plan by NMOCD and will be completed within 30 days after the start of construction. Contention of personnel and equipment.

On behalf of Devon, Pima would like to request approval of this remediation work plan. Work can begin within 30 days of approval, contingent upon personnel and equipment scheduling.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.raley@devon.com](mailto:jim.raley@devon.com).

Pima Environmental – Gio Gomez at 806-782-1151 or [gio@pimaoil.com](mailto:gio@pimaoil.com).

Respectfully,

Gio Gomez  
Project Manager  
Pima Environmental Services, LLC

**Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Proposed Excavation Map

Appendices:

- Appendix A – Referenced Water Surveys  
Appendix B – Soil Survey, Geological Data, FEMA, and Wetlands Map  
Appendix C – Photographic Documentation  
Appendix D – Laboratory Reports



## Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map

Figure 4- Site Map



Figure 5-Proposed Excavation Map

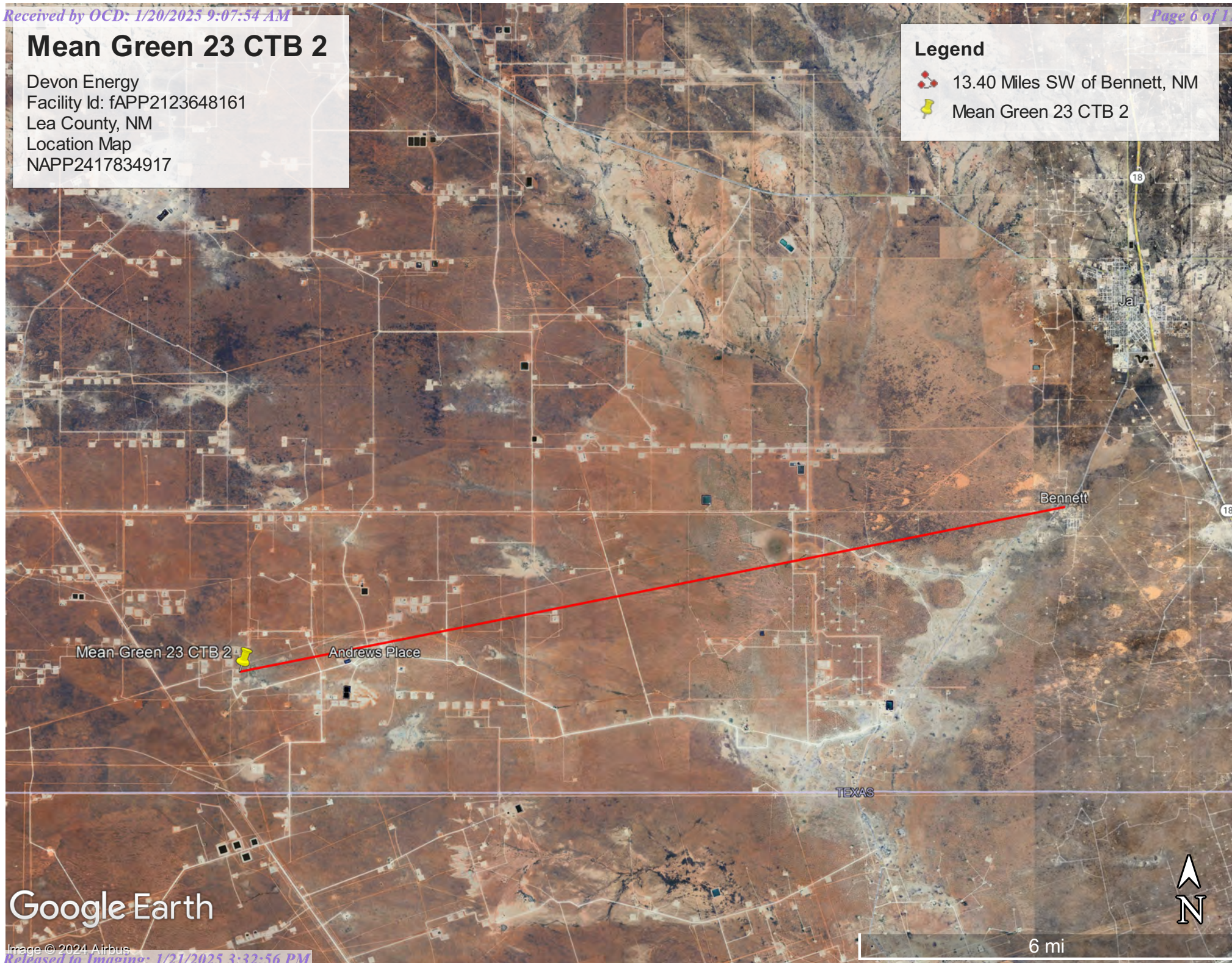


## Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Location Map  
NAPP2417834917

### Legend

-  13.40 Miles SW of Bennett, NM
-  Mean Green 23 CTB 2



Google Earth

Image © 2024 Airbus

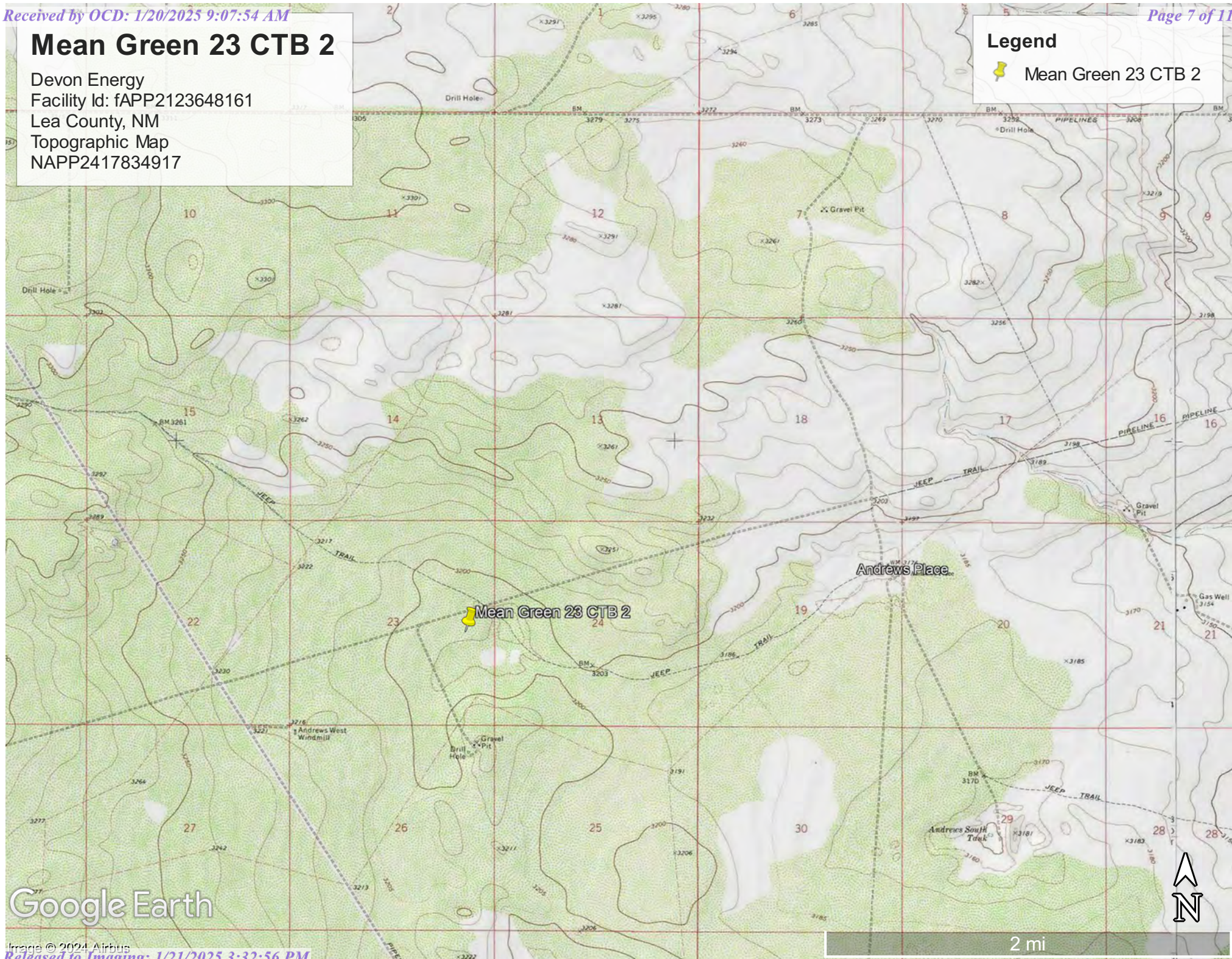


# Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Topographic Map  
NAPP2417834917

## Legend

 Mean Green 23 CTB 2







Google Earth

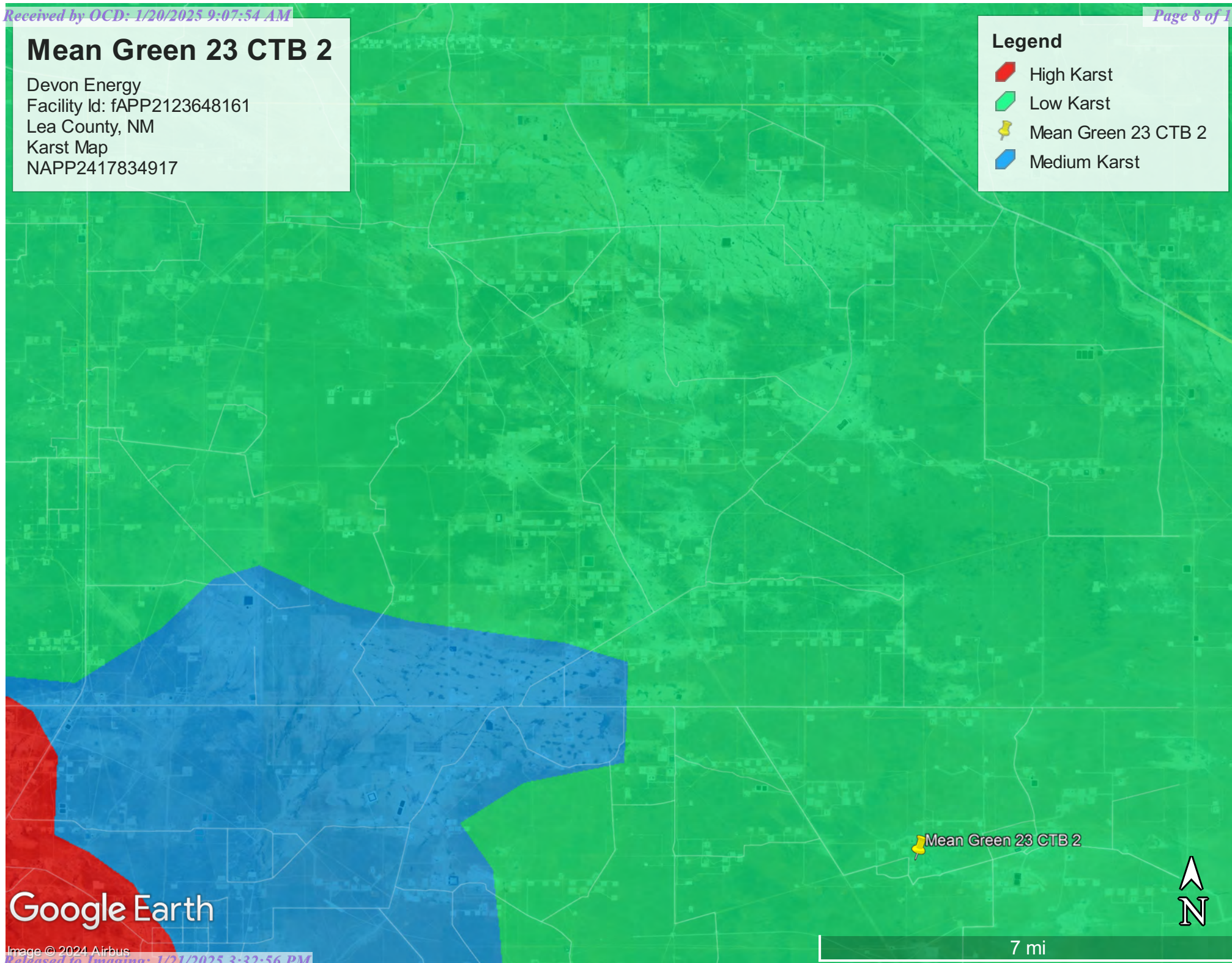


## Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Karst Map  
NAPP2417834917

### Legend

-  High Karst
-  Low Karst
-  Mean Green 23 CTB 2
-  Medium Karst



Google Earth





Image © 2024 Airbus



# Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Site Map  
NAPP2417834917

## Legend

-  547 Sqft
-  Samples
-  Mean Green 23 CTB 2
-  Sidewalls/Background



Google Earth





70 ft



## Mean Green 23 CTB 2

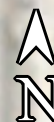
Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Proposed Excavation Map  
NAPP2417834917

### Legend

-  Mean Green 23 CTB 2
-  Proposed Excavation Area- 600 sqft



Google Earth





## 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:

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





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4856 <del>POD 1</del>			
	WELL OWNER NAME(S) Devon Energy Production Company				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs			
					STATE NM			
					ZIP 88240			
WELL LOCATION (FROM GPS)	DEGREES LATITUDE		MINUTES 32	SECONDS 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. WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 07/25/2024		DRILLING ENDED 07/25/2024		DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD					ADDITIVES – SPECIFY:		
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:							
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	105	5	Soil Boring	-	-	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

DCE DIT AUG 1 2024 PM 1:43

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 Man 26.34.23.232	WELL TAG ID NO.	PAGE 1 OF 2



4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		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)
	FROM	TO				
	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:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
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.					
	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 <small>Digitally signed by Scott Scarborough Date: 2024.07.30 10:43:42 +06'00'</small>	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; 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,

A handwritten signature in blue ink, appearing to read "Maret Thompson".

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

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,

A handwritten signature in blue ink, appearing to read "Mafet Thompson".

Mafet Thompson  
(575) 622-6521

drywell



## Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
OSE Pod Map  
NAPP2417834917

### Legend

- 0.38 Miles
- C 04856 POD1
- Mean Green 23 CTB 2

C 04856 POD1

Mean Green 23 CTB 2

Google Earth

Image © 2024 Airbus

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1000 ft





[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

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.

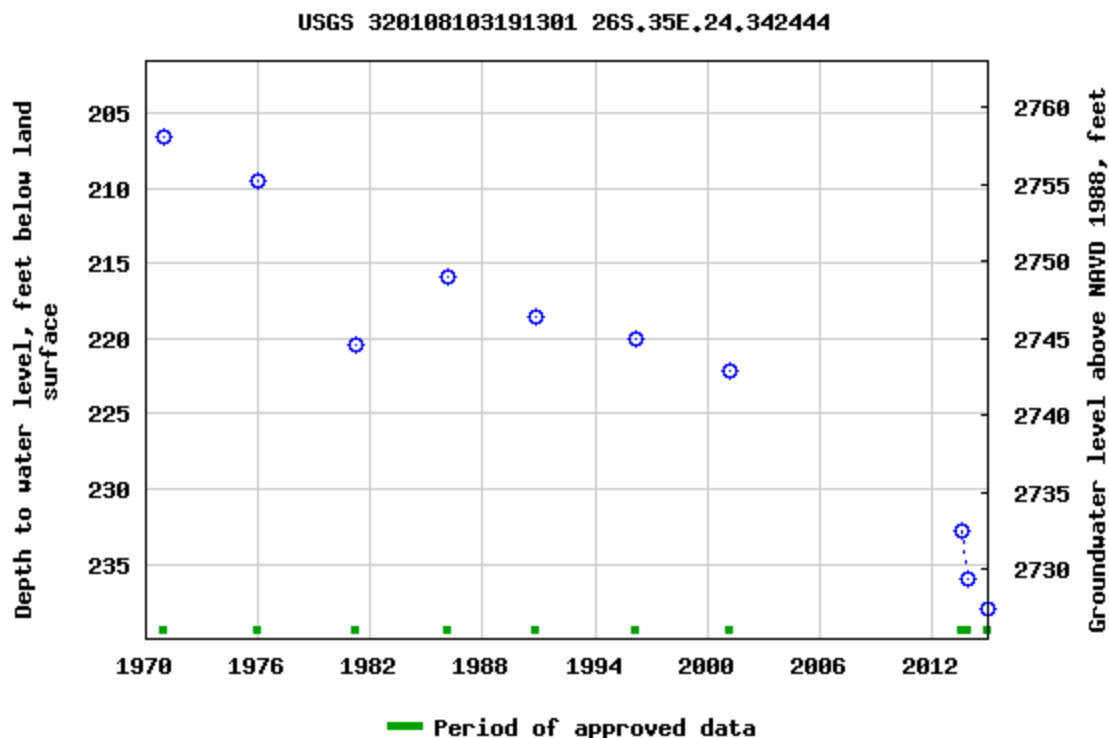
#### Output formats

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

**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2024-12-09 16:00:32 EST

0.63 0.48 nadww01



## Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
USGS Map  
NAPP2417834917

### Legend

- 6.75 Miles
- Mean Green 23 CTB 2
- USGS 320108103191301

Mean Green 23 CTB 2

Andrews Place

USGS 320108103191301

NEW MEXICO

TEXAS

Google Earth

Image © 2024 Airbus

Released to Imaging: 1/21/2025 3:32:56 PM

3 mi





# Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Surface Water Map  
NAPP2417834917

## Legend

- 18.94 Miles
- Mean Green 23 CTB 2
- Salt Playa

Google Earth

Image © 2024 Airbus

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Mean Green 23 CTB 2

Salt Playa

Bennett

Jal

10 mi







## Appendix B

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

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

## 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

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*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*

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*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



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

6/19/2024  
Page 1 of 3


## Soil Map—Lea County, New Mexico

## 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.*

<b>State</b>	New Mexico (/geology/state/state.php?state=NM)
<b>Name</b>	Eolian and piedmont deposits
<b>Geologic age</b>	Holocene to middle Pleistocene
<b>Lithologic constituents</b>	Major Unconsolidated    (Eolian)    Interlayered eolian sands and piedmont-slope deposits
<b>References</b>	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).
<b>NGMDB product</b>	NGMDB product page for 22974 ( <a href="https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm">https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm</a> )
<b>Counties</b>	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) - <u>Roosevelt (/geology/state/fips-unit.php?code=f35041)</u>

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal ([https://www.usgs.gov/laws/policies\\_notices.html](https://www.usgs.gov/laws/policies_notices.html)) |

Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)




U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

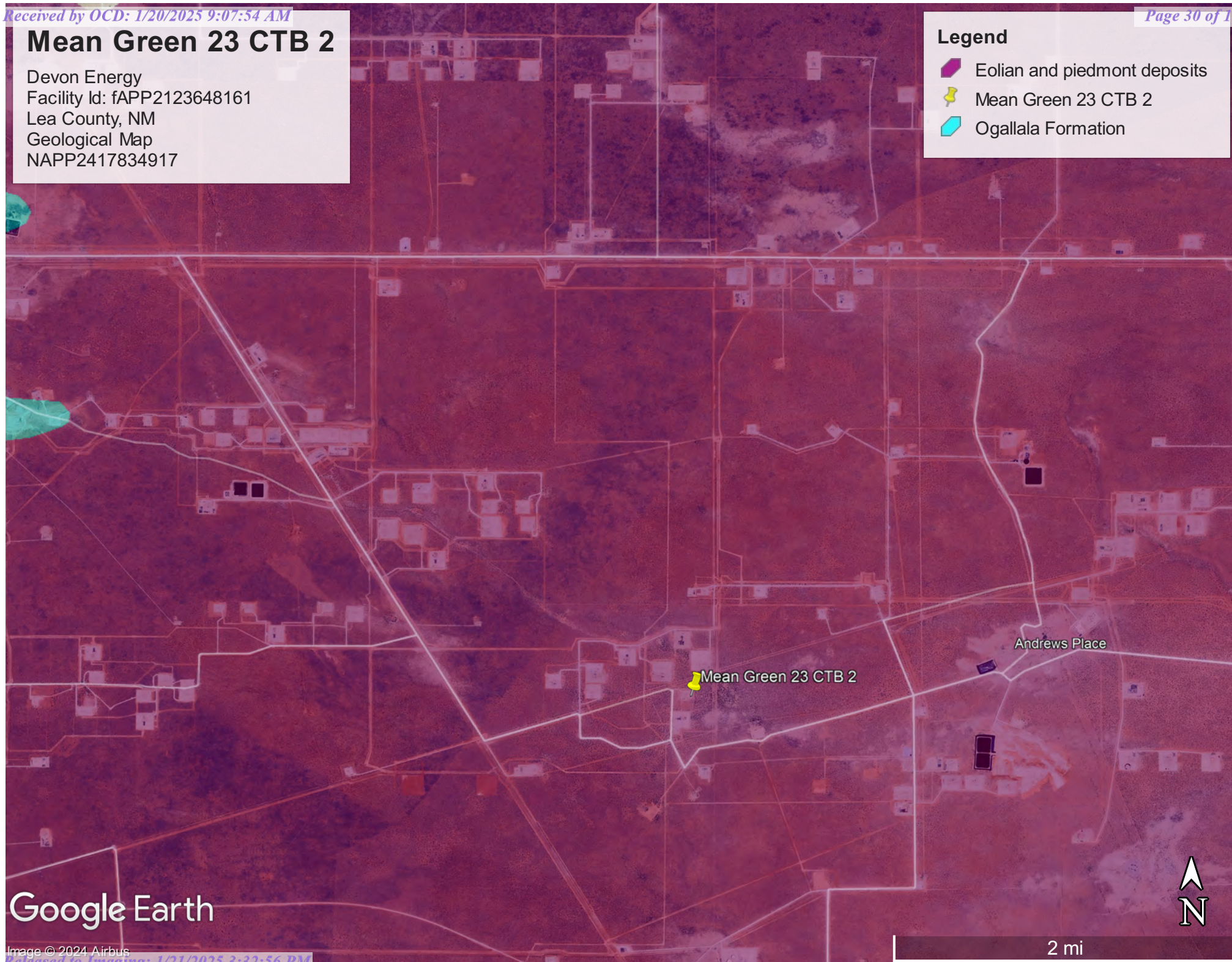


# Mean Green 23 CTB 2

Devon Energy  
Facility Id: fAPP2123648161  
Lea County, NM  
Geological Map  
NAPP2417834917

## Legend

-  Eolian and piedmont deposits
-  Mean Green 23 CTB 2
-  Ogallala Formation





# National Flood Hazard Layer FIRMMette



103°26'26"W 32°1'51"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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.





Wetlands



June 26, 2024

Wetlands

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

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

Pima Environmental Services, LLC



## Appendix C

### ○ Photographic Documentation



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Mean Green 23 CTB 2**

### Assessment :



Site Information Sign.



Photograph taken during assessment, facing East.



Photograph taken during assessment, facing Southeast.



Photograph taken during assessment, facing West.



Photograph taken during assessment,  
facing Southeast.



Photograph taken during assessment,  
facing Southeast.



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Mean Green 23 CTB 2**

### Aerial Photos :



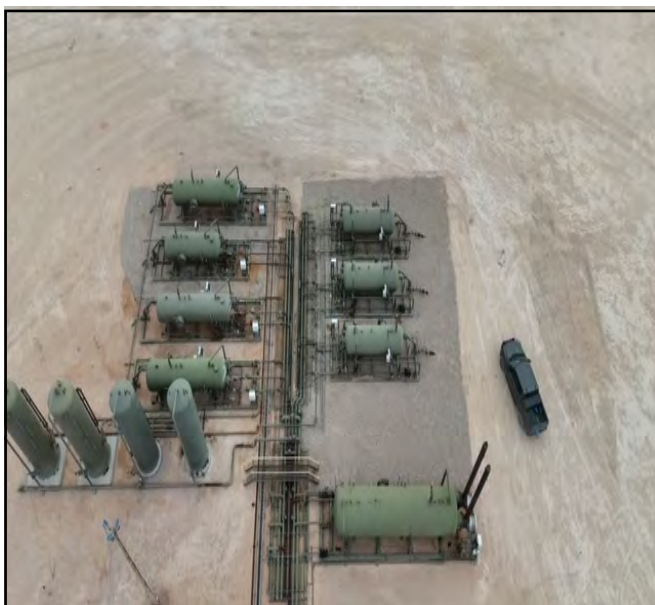
Aerial photos of location.



Aerial photos of location.



Aerial photos of location.



Aerial photos of location.



Pima Environmental Services, LLC



## Appendix D

### ○ Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mean Green 23 CTB 2

Work Order: E407016

Job Number: 01058-0007

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 7/9/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Mean Green 23 CTB 2  
Workorder: E407016  
Date Received: 7/3/2024 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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## Table of Contents

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



## Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 07/09/24 10:47
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E407016-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S1-2'	E407016-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S1-3'	E407016-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S1-4'	E407016-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S1-5'	E407016-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S2-1'	E407016-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S2-2'	E407016-07A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S2-3'	E407016-08A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S2-4'	E407016-09A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S2-5'	E407016-10A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S3-1'	E407016-11A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S3-2'	E407016-12A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S3-3'	E407016-13A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S3-4'	E407016-14A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S3-5'	E407016-15A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S4-1'	E407016-16A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S4-2'	E407016-17A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S4-3'	E407016-18A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S4-4'	E407016-19A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S4-5'	E407016-20A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

**S1-1'**

**E407016-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	07/03/24	07/03/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	07/03/24	07/03/24	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	07/03/24	07/03/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	07/03/24	07/03/24	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	<b>780</b>	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	<b>545</b>	50.0	1	07/03/24	07/04/24	
<i>Surrogate: n-Nonane</i>		84.5 %	50-200	07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	<b>15300</b>	400	20	07/03/24	07/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1-2'

E407016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	86.5 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	8880	200	10	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S1-3'

E407016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.6 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	4240	100	5	07/03/24	07/03/24	





## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S1-4'

E407016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.9 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.9 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.8 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	251	20.0	1	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S1-5'

E407016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	07/03/24	07/03/24	
Surrogate: Toluene-d8		95.7 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	07/03/24	07/03/24	
Surrogate: Toluene-d8		95.7 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		81.7 %	50-200	07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	158	20.0	1	07/03/24	07/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-1'

E407016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.7 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	12800	200	10	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S2-2'

E407016-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	07/03/24	07/03/24	
Surrogate: Toluene-d8		95.5 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	07/03/24	07/03/24	
Surrogate: Toluene-d8		95.5 %	70-130	07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		84.4 %	50-200	07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	8010	200	10	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-3'

E407016-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	81.2 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	4320	100	5	07/03/24	07/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-4'

E407016-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.2 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	252	20.0	1	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-5'

E407016-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	81.1 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	86.7	20.0	1	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S3-1'

E407016-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	93.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	93.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	85.3 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	13800	400	20	07/03/24	07/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3-2'

E407016-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.6 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	81.0 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	7810	200	10	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3-3'

E407016-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.5 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.5 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.8 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	4410	100	5	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S3-4'

E407016-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.0 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	81.4 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	210	20.0	1	07/03/24	07/03/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3-5'

E407016-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.9 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	126	20.0	1	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S4-1'

E407016-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	85.6 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	12900	200	10	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4-2'

E407016-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.1 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	85.6 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2427049	
Chloride	8480	200	10	07/03/24	07/03/24	





## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S4-3'

E407016-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	82.3 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	4100	100	5	07/03/24	07/03/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/9/2024 10:47:14AM

S4-4'

E407016-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	94.3 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	87.4 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	125	20.0	1	07/03/24	07/04/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mean Green 23 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/9/2024 10:47:14AM
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S4-5'

E407016-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.4 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		07/03/24	07/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/03/24	07/03/24	
Surrogate: Toluene-d8	95.4 %	70-130		07/03/24	07/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	86.9 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2427049
Chloride	53.5	20.0	1	07/03/24	07/04/24	





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:	Tom Bynum	7/9/2024 10:47:14AM

Volatile Organic Compounds by EPA 8260B

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 (2427033-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24

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	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2427033-BS1) Prepared: 07/03/24 Analyzed: 07/03/24

Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.8	70-130			
Toluene	2.33	0.0250	2.50		93.0	70-130			
o-Xylene	2.39	0.0250	2.50		95.5	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.5	70-130			
Total Xylenes	7.16	0.0250	7.50		95.5	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

Matrix Spike (2427033-MS1) Source: E407016-04 Prepared: 07/03/24 Analyzed: 07/03/24

Benzene	2.55	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.9	45-135			
Toluene	2.32	0.0250	2.50	ND	92.8	48-130			
o-Xylene	2.42	0.0250	2.50	ND	97.0	43-135			
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135			
Total Xylenes	7.26	0.0250	7.50	ND	96.8	43-135			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			

Matrix Spike Dup (2427033-MSD1) Source: E407016-04 Prepared: 07/03/24 Analyzed: 07/03/24

Benzene	2.54	0.0250	2.50	ND	102	48-131	0.353	23	
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135	1.63	27	
Toluene	2.36	0.0250	2.50	ND	94.5	48-130	1.77	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	3.72	27	
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135	3.79	27	
Total Xylenes	7.54	0.0250	7.50	ND	101	43-135	3.77	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported:  7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427033-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2427033-BS2) Prepared: 07/03/24 Analyzed: 07/03/24

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

Matrix Spike (2427033-MS2) Source: E407016-04 Prepared: 07/03/24 Analyzed: 07/03/24

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

Matrix Spike Dup (2427033-MSD2) Source: E407016-04 Prepared: 07/03/24 Analyzed: 07/03/24

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	3.56	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported:  7/9/2024 10:47:14AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427040-BLK1) Prepared: 07/03/24 Analyzed: 07/04/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.8		50.0		83.7	50-200			

LCS (2427040-BS1) Prepared: 07/03/24 Analyzed: 07/04/24

Diesel Range Organics (C10-C28)	231	25.0	250		92.6	38-132			
Surrogate: n-Nonane	41.9		50.0		83.8	50-200			

Matrix Spike (2427040-MS1) Source: E407016-07 Prepared: 07/03/24 Analyzed: 07/04/24

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	38-132			
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			

Matrix Spike Dup (2427040-MSD1) Source: E407016-07 Prepared: 07/03/24 Analyzed: 07/04/24

Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132	1.88	20	
Surrogate: n-Nonane	42.0		50.0		84.0	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	7/9/2024 10:47:14AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427049-BLK1)					Prepared: 07/03/24 Analyzed: 07/03/24				
Chloride	ND	20.0							
LCS (2427049-BS1)					Prepared: 07/03/24 Analyzed: 07/03/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2427049-MS1)					Source: E407016-02		Prepared: 07/03/24 Analyzed: 07/03/24		
Chloride	8810	200	250	8880	NR	80-120			M4
Matrix Spike Dup (2427049-MSD1)					Source: E407016-02		Prepared: 07/03/24 Analyzed: 07/03/24		
Chloride	8550	200	250	8880	NR	80-120	2.99	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	07/09/24 10:47

- 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
- 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

<b>Client: Pima Environmental Services</b> <b>Project: <u>Man Green 23 CTB2</u></b> <b>Project Manager: <u>Glo Gomez</u></b> <b>Address: <u>5614 N. Lovington Hwy.</u></b> <b>City, State, Zip: <u>Hobbs, NM, 88240</u></b> <b>Phone: <u>806-782-1151</u></b> <b>Email: <u>glo@pimaoil.com</u></b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: <u>Devon</u></b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # <u>1-284-4</u></b>					<b>Lab Use Only</b> <b>Lab # <u>401016</u></b> <b>Job Number <u>0008-0007</u></b> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard				<b>EPA Program</b> CWA SDWA RCRA															
<b>Time Sampled</b> 8:13 8:17 8:21 8:26 8:31 8:38 8:42 8:49 8:53 8:58					<b>Date Sampled</b> 6/28                 					<b>Matrix</b> S               					<b>No. of Containers</b> 1               					<b>Sample ID</b> S1-1' S1-2' S1-3' S1-4' S1-5' S2-1' S2-2' S2-3' S2-4' S2-5'					<b>Lab Number</b> 1 2 3 4 5 6 7 8 9 10					<b>Remarks</b> X				
<b>Additional Instructions:</b> <u>Billing# 21367346</u>																																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																			
Relinquished by: (Signature) <u>Karine Arme</u>					Date <u>7/2/24</u> Time <u>2:50</u>					Received by: (Signature) <u>Michelle Gonzales</u>					Date <u>7-2-24</u> Time <u>1450</u>																			
Relinquished by: (Signature) <u>Michelle Gonzales</u>					Date <u>7-2-24</u> Time <u>1615</u>					Received by: (Signature) <u>Andrea Mello</u>					Date <u>7-2-24</u> Time <u>1700</u>																			
Relinquished by: (Signature) <u>Andrea Mello</u>					Date <u>7-2-24</u> Time <u>2345</u>					Received by: (Signature) <u>Alexa Michaels</u>					Date <u>7/3/24</u> Time <u>1000</u>																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																		



## Project Information

## Chain of Custody

Page 2 of 4

<b>Client: Pima Environmental Services</b> <b>Project: Mean Green 23 CTB2</b> <b>Project Manager: Glo Gomez</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM, 88240</b> <b>Phone: 806-782-1151</b> <b>Email: glo@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 1-284-4</b>					<b>Lab Use Only</b> <b>Lab ID:</b> 407016 <b>Job Number:</b> 01058-0007 <b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA	
										<b>State</b> NM CO UT AZ TX X				<b>Remarks</b>						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
9:07	6/28	S	1	S3-1'	11															
9:12				S3-2'	12															
9:17				S3-3'	13															
9:21				S3-4'	14															
9:36				S3-5'	15															
9:47				S4-1'	16															
9:53				S4-2'	17															
9:59				S4-3'	18															
10:16				S4-4'	19															
10:19				S4-5'	20															
<b>Additional Instructions:</b> Billing # 21367346																				
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.																				
<b>Sampled by:</b>																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Karime Adams		7-2-24		2:50		Michelle Gonzales		7-2-24		1450										
Michelle Gonzales		7-2-24		1615		Alexa Michaels		7-2-24		1700		T1 _____ T2 _____ T3 _____								
Alexa Michaels		7-2-24		2345		Alexa Michaels		7/3/24		1000		AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

## Envirotech Analytical Laboratory

Printed: 7/3/2024 12:54:55PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/03/24 10:00	Work Order ID:	E407016
Phone:	(575) 631-6977	Date Logged In:	07/02/24 15:59	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	07/11/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierComments/Resolution

Mean Green 23 CTB2has been separated into two WO due to high sample volume. WO E407016 and E407017.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mean Green 23 CTB 2

Work Order: E407040

Job Number: 01058-0007

Received: 7/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/11/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/11/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Mean Green 23 CTB 2  
Workorder: E407040  
Date Received: 7/8/2024 10:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/8/2024 10:00:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S5-1'	5
S5-2'	6
S5-3'	7
S5-4'	8
S5-5'	9
QC Summary Data	10
QC - Volatile Organic Compounds by EPA8260B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 07/11/24 15:45
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S5-1'	E407040-01A	Soil	06/28/24	07/08/24	Glass Jar, 2 oz.
S5-2'	E407040-02A	Soil	06/28/24	07/08/24	Glass Jar, 2 oz.
S5-3'	E407040-03A	Soil	06/28/24	07/08/24	Glass Jar, 2 oz.
S5-4'	E407040-04A	Soil	06/28/24	07/08/24	Glass Jar, 2 oz.
S5-5'	E407040-05A	Soil	06/28/24	07/08/24	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/11/2024 3:45:35PM

**S5-1'**

**E407040-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/09/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/09/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	<b>311</b>	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	<b>223</b>	50.0	1	07/09/24	07/10/24	
<i>Surrogate: n-Nonane</i>		82.2 %	50-200	07/09/24	07/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2428037
Chloride	<b>877</b>	20.0	1	07/09/24	07/09/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/11/2024 3:45:35PM

S5-2'

E407040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	92.4 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	92.4 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane	94.4 %	50-200		07/09/24	07/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2428037
Chloride	991	20.0	1	07/09/24	07/09/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/11/2024 3:45:35PM

S5-3'

E407040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	93.8 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	93.8 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane	94.5 %	50-200		07/09/24	07/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2428037
Chloride	841	20.0	1	07/09/24	07/09/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/11/2024 3:45:35PM

S5-4'

E407040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	92.9 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	92.9 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane	111 %	50-200		07/09/24	07/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2428037
Chloride	108	20.0	1	07/09/24	07/09/24	





## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/11/2024 3:45:35PM

S5-5'

E407040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	93.8 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/09/24	07/10/24	
Surrogate: Toluene-d8	93.8 %	70-130		07/09/24	07/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane	114 %	50-200		07/09/24	07/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2428037
Chloride	ND	20.0	1	07/09/24	07/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported:  7/11/2024 3:45:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428035-BLK1) Prepared: 07/09/24 Analyzed: 07/09/24

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	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

LCS (2428035-BS1) Prepared: 07/09/24 Analyzed: 07/09/24

Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.50	0.0250	2.50		100	70-130			
Toluene	2.36	0.0250	2.50		94.6	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.91	0.0500	5.00		98.3	70-130			
Total Xylenes	7.36	0.0250	7.50		98.2	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

Matrix Spike (2428035-MS1) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24

Benzene	2.75	0.0250	2.50	ND	110	48-131			
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135			
Toluene	2.42	0.0250	2.50	ND	96.7	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.53	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.475		0.500		95.0	70-130			

Matrix Spike Dup (2428035-MSD1) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24

Benzene	2.80	0.0250	2.50	ND	112	48-131	1.50	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	3.91	27	
Toluene	2.49	0.0250	2.50	ND	99.7	48-130	3.06	24	
o-Xylene	2.65	0.0250	2.50	ND	106	43-135	5.62	27	
p,m-Xylene	5.32	0.0500	5.00	ND	106	43-135	5.59	27	
Total Xylenes	7.97	0.0250	7.50	ND	106	43-135	5.60	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported:  7/11/2024 3:45:35PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428035-BLK1) Prepared: 07/09/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

LCS (2428035-BS2) Prepared: 07/09/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

Matrix Spike (2428035-MS2) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			

Matrix Spike Dup (2428035-MSD2) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.45	20	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	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	7/11/2024 3:45:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428028-BLK1)					Prepared: 07/09/24 Analyzed: 07/10/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

LCS (2428028-BS1)					Prepared: 07/09/24 Analyzed: 07/10/24				
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
Surrogate: n-Nonane	63.5		50.0		127	50-200			

Matrix Spike (2428028-MS1)					Source: E407038-04		Prepared: 07/09/24 Analyzed: 07/10/24		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			

Matrix Spike Dup (2428028-MSD1)					Source: E407038-04		Prepared: 07/09/24 Analyzed: 07/10/24		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	119	38-132	0.669	20	
Surrogate: n-Nonane	58.3		50.0		117	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	7/11/2024 3:45:35PM

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 (2428037-BLK1)					Prepared: 07/09/24 Analyzed: 07/09/24				
Chloride	ND	20.0							
LCS (2428037-BS1)					Prepared: 07/09/24 Analyzed: 07/09/24				
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2428037-MS1)					Source: E407038-04		Prepared: 07/09/24 Analyzed: 07/09/24		
Chloride	373	20.0	250	120	101	80-120			
Matrix Spike Dup (2428037-MSD1)					Source: E407038-04		Prepared: 07/09/24 Analyzed: 07/09/24		
Chloride	377	20.0	250	120	103	80-120	0.933	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	07/11/24 15:45

- 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 4 of 4

<b>Client:</b> Pima Environmental Services <b>Project:</b> Mesa Green 23 CTB 2 <b>Project Manager:</b> Gio Gomez <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM. 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> glo@pimaoil.com <b>Report due by:</b>		<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1-284-4		<b>Lab Use Only</b> <b>Lab WQH:</b> E 40704001058-0007 <b>Job Number:</b>		<b>TAT</b> <b>1D</b> <b>2D</b> <b>3D</b> <b>Standard</b>		<b>EPA Program</b> <b>CWA</b> <b>SDWA</b> <b>RCRA</b>	
				<b>Analysis and Method</b> <b>DRO/ORO by 8015</b> <b>GRO/DRO by 8015</b> <b>BTEX by 8021</b> <b>VOC by 8260</b> <b>Metals 6010</b> <b>Chloride 300.0</b> <b>BGDOC NM</b> <b>BGDOC TX</b>		<b>State</b> <b>NM</b> <b>CO</b> <b>UT</b> <b>AZ</b> <b>TX</b>			

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
11:30	6/28	S	1	SS-1'	1							X		
11:36				SS-2'	2									
11:39				SS-3'	3									
11:40				SS-4'	4									
11:45				SS-5'	5									

## Additional Instructions:

Billing # 21367346

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.							
Sampled by:													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only	
Kwame Adame		7-3-24				Michelle Gonzales		7-3-24		1400		Received on ice: (Y) N	
Michelle Gandy		7-3-24		1800		Linda H. H.		7-3-24		1600		T1 T2 T3	
Linda H. H.		7-3-24		2200		Linda H. H.		7-8-24		1000		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 Analytical Laboratory

Printed: 7/9/2024 4:55:33PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/08/24 10:00	Work Order ID:	E407040
Phone:	(575) 631-6977	Date Logged In:	07/08/24 16:45	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	07/12/24 17:00 (4 day TAT)		

**Chain of Custody (COC)**

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

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

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

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mean Green 23 CTB 2

Work Order: E407017

Job Number: 01058-0007

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/10/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 7/10/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Mean Green 23 CTB 2  
Workorder: E407017  
Date Received: 7/3/2024 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW1	5
SW2	6
SW3	7
SW4	8
SW5	9
SW6	10
SW7	11
SW8	12
SW9	13
SW10	14
BG1	15
QC Summary Data	16
QC - Volatile Organics by EPA 8021B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported: 07/10/24 11:43
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E407017-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW2	E407017-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW3	E407017-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW4	E407017-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW5	E407017-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW6	E407017-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW7	E407017-07A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW8	E407017-08A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW9	E407017-09A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
SW10	E407017-10A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
BG1	E407017-11A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mean Green 23 CTB 2 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/10/2024 11:43:56AM
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SW1

E407017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane	103 %	50-200		07/03/24	07/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2

E407017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.2 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane	103 %	50-200		07/03/24	07/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3

E407017-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.6 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane	102 %	50-200		07/03/24	07/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/03/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E407017-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	105 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5

E407017-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW6

E407017-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.9 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	105 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW7

E407017-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/09/24	
Toluene	ND	0.0250	1	07/03/24	07/09/24	
o-Xylene	ND	0.0250	1	07/03/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/09/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.2 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	101 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/10/2024 11:43:56AM

## SW8

## E407017-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/09/24	
Toluene	ND	0.0250	1	07/03/24	07/09/24	
o-Xylene	ND	0.0250	1	07/03/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW9

E407017-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/09/24	
Toluene	ND	0.0250	1	07/03/24	07/09/24	
o-Xylene	ND	0.0250	1	07/03/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/09/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	103 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	



## Sample Data

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

Project Name: Mean Green 23 CTB 2  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
7/10/2024 11:43:56AM

## SW10

## E407017-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427034
Benzene	ND	0.0250	1	07/03/24	07/08/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/08/24	
Toluene	ND	0.0250	1	07/03/24	07/08/24	
o-Xylene	ND	0.0250	1	07/03/24	07/08/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/08/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2427034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		07/03/24	07/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2427036
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2427050
Chloride	ND	20.0	1	07/03/24	07/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	<b>Reported:</b> 7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG1

E407017-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Benzene	ND	0.0250	1	07/03/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/09/24	
Toluene	ND	0.0250	1	07/03/24	07/09/24	
o-Xylene	ND	0.0250	1	07/03/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/09/24	
Surrogate: 4-Bromochlorobenzene-PID	89.6 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2427034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		07/03/24	07/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2427036	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane	104 %	50-200		07/03/24	07/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2427050	
Chloride	ND	20.0	1	07/03/24	07/04/24	



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:	Tom Bynum	7/10/2024 11:43:56AM

Volatile Organics by EPA 8021B

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 (2427034-BLK1) Prepared: 07/03/24 Analyzed: 07/08/24

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: 4-Bromochlorobenzene-PID	6.91		8.00		86.3	70-130			

LCS (2427034-BS1) Prepared: 07/03/24 Analyzed: 07/08/24

Benzene	5.52	0.0250	5.00		110	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.43	0.0250	5.00		109	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.2	70-130			

Matrix Spike (2427034-MS1) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			

Matrix Spike Dup (2427034-MSD1) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

Benzene	4.86	0.0250	5.00	ND	97.2	54-133	3.58	20	
Ethylbenzene	4.64	0.0250	5.00	ND	92.9	61-133	3.85	20	
Toluene	4.76	0.0250	5.00	ND	95.3	61-130	3.99	20	
o-Xylene	4.60	0.0250	5.00	ND	91.9	63-131	4.32	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131	3.82	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131	3.98	20	
Surrogate: 4-Bromochlorobenzene-PID	6.89		8.00		86.1	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	7/10/2024 11:43:56AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427034-BLK1) Prepared: 07/03/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS (2427034-BS2) Prepared: 07/03/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

Matrix Spike (2427034-MS2) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike Dup (2427034-MSD2) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130	4.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Mean Green 23 CTB 2	Reported:  7/10/2024 11:43:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427036-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.5	50-200			

LCS (2427036-BS1) Prepared: 07/03/24 Analyzed: 07/03/24

Diesel Range Organics (C10-C28)	301	25.0	250		120	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike (2427036-MS1) Source: E407011-02 Prepared: 07/03/24 Analyzed: 07/03/24

Diesel Range Organics (C10-C28)	307	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

Matrix Spike Dup (2427036-MSD1) Source: E407011-02 Prepared: 07/03/24 Analyzed: 07/03/24

Diesel Range Organics (C10-C28)	317	25.0	250	ND	127	38-132	3.37	20	
Surrogate: n-Nonane	52.4		50.0		105	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	7/10/2024 11:43:56AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2427050-BLK1)					Prepared: 07/03/24 Analyzed: 07/03/24				
Chloride	ND	20.0							
LCS (2427050-BS1)					Prepared: 07/03/24 Analyzed: 07/03/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2427050-MS1)					Source: E407017-02		Prepared: 07/03/24 Analyzed: 07/03/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2427050-MSD1)					Source: E407017-02		Prepared: 07/03/24 Analyzed: 07/03/24		
Chloride	252	20.0	250	ND	101	80-120	0.0785	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	07/10/24 11:43

- 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.





## Chain of Custody

Page 3 of 4

## Project Information

Client: Pima Environmental Services  
 Project: Mean Green 23 CTB2  
 Project Manager: Gio Gomez  
 Address: 5614 N. Lovington Hwy.  
 City, State, Zip: Hobbs, NM, 88240  
 Phone: 806-782-1151  
 Email: gio@pimaoil.com

Bill To  
 Attention: Devon  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Pima Project # 1-284-4

## Report due by:

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Lab Use Only							TAT				EPA Program	
						Lab WO#	Job Number	1D	2D	3D	Standard						CWA	SDWA
						Analysis and Method												RCRA
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			State	
																	NM	CO
																	UT	AZ
																	TX	
																	Remarks	
9:26	6/28	S	1	SW1	1								X					
10:30				SW2	2													
10:34				SW3	3													
10:39				SW4	4													
10:43				SW5	5													
10:49				SW6	6													
10:56				SW7	7													
11:09				SW8	8													
11:12				SW9	9													
11:20				SW10	10													

## Additional Instructions:

Billing # 21367346

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:

Relinquished by: (Signature) <u>Carine Adams</u>	Date <u>7-2-24</u>	Time <u>2:50</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-2-24</u>	Time <u>1450</u>	Lab Use Only	
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-2-24</u>	Time <u>1615</u>	Received by: (Signature) <u>John Mello</u>	Date <u>7-2-24</u>	Time <u>1700</u>	Received on ice: <u>Y</u> N	
Relinquished by: (Signature) <u>John Mello</u>	Date <u>7-2-24</u>	Time <u>2345</u>	Received by: (Signature) <u>Alexa Michaels</u>	Date <u>7/3/24</u>	Time <u>1000</u>	T1 _____ T2 _____ T3 _____	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						AVG Temp °C <u>4</u>	

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



**envirotech**

## Envirotech Analytical Laboratory

Printed: 7/3/2024 1:03:38PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/03/24 10:00	Work Order ID:	E407017
Phone:	(575) 631-6977	Date Logged In:	07/02/24 16:06	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	07/11/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierComments/Resolution

Mean Green 23 CTB 2 has been separated into two WO due to high sample volume. WO E407016 and E407017.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

Action 422243

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417834917
Incident Name	NAPP2417834917 MEAN GREEN 23 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan 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	06/25/2024
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: 10 BBL   Recovered: 8 BBL   Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	1" nipple on 3-phase water dump developed a leak. 9.7 bbls spilled onto pad. 8 bbls recovered. Leak was isolated to stop it.

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

QUESTIONS, Page 2

Action 422243

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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@dvni.com Date: 01/20/2025
--	---



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QUESTIONS, Page 3

Action 422243

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	15300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1325
GRO+DRO (EPA SW-846 Method 8015M)	780
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/17/2025
On what date will (or did) the final sampling or liner inspection occur	02/20/2025
On what date will (or was) the remediation complete(d)	02/17/2025
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	600
What is the estimated volume (in cubic yards) that will be remediated	11
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 422243

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/20/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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, Page 5

Action 422243

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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, Page 6

Action 422243

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	410256
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
What was the (estimated) number of samples that were to be gathered	11
What was the sampling surface area in square feet	547

**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	No
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CONDITIONS

Action 422243

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422243
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	1/21/2025