



Maracas 22 State Tank Battery

Incident ID nAPP2410037551

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
Spur Energy

Site Assessment, Remediation,
Reclamation and Closure Report

December 9, 2024



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

December 9, 2024

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

Re: Site Assessment, Remediation, and Closure Report
Maracas 22 State Tank Battery
API No. N/A
GPS: Latitude 32.82146 Longitude -104.15653
UL "H", Sec. 22, T17S, R28E
Eddy County, NM
NMOCD Ref. No. NAPP2410037551

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Maracas 22 State Tank Battery (Maracas). The initial C-141 was submitted on April 9, 2024. This incident was assigned Incident ID NAPP2410037551, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Maracas is located approximately 8 miles southeast of Riverside, NM. This spill site is in Unit H, Section 22, Township 17S, Range 28E, Latitude 32.82146, Longitude -104.15653, Eddy County, NM. Figure 1 references a location map.

According to the New Mexico Bureau of Geology and Mineral Resources, the geological classification of the area includes Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region from the Middle to lower Pleistocene eras, as detailed in Appendix B. The predominant soil type in this region is the Pajarito – Dune land complex, characterized by 0 to 3 percent slopes, as identified in the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are classified as well-drained. Additionally, the geological assessment indicates a low potential for karst geology near the Maracas (see Figure 3). The nearest significant watercourse is an unnamed Flat Lake, located approximately 8 miles to the southwest (Appendix A).

According to the New Mexico Office of the State Engineer (OSE), the closest groundwater in this area is located at a depth greater than 55 feet below ground surface (BGS), approximately 1.37 miles from the site, as recorded in water well RA 13398 POD1, drilled on January 15, 2024. Additionally, the United States Geological Survey (USGS) reports that the nearest groundwater well, USGS 324855104093101, is situated approximately 0.44 miles away, with a water depth of 78.55 feet BGS. This well was drilled on January 13, 1999. For detailed locations, refer to Appendix A, which includes a comprehensive water well map indicating the positions of both OSE and USGS wells.

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'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic map.

Release Information

NAPP2410037551: On April 3, 2024, a pinhole caused by corrosion developed in a two-inch circulating line, resulting in the release of crude oil onto the engineered pad. Approximately 24 barrels of crude oil were released, of which 22 barrels were recovered. Spur promptly secured the site and ensured the removal and proper disposal of all standing liquids at an NMOCD-approved landfill. The impacted area, as shown in Figure 5, covers approximately 1,700 square feet.

Site Assessment and Soil Sampling Results

On August 6, 2024, Pima Environmental Services mobilized personnel to the site to conduct delineation activities. Sampling procedures were performed from the point of release to the edge of the impacted area. Ten bottom samples (S1-S10) were collected for vertical delineation, along with ten sidewall samples (SW1-SW10) for horizontal delineation. Vertical samples (S1-S10) were taken at depth intervals ranging from six inches to 8 feet below ground surface (bgs), while horizontal samples (SW1-SW10) were collected from the outermost extent of the release to assess horizontal impact. The results from this sampling event are presented in the accompanying data table, with the complete laboratory report included in Appendix E.

8-6-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is (50'))								
Spur Energy/Maracas 22 State Battery								
8/6/2024		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	6"	62.4	13.9	1100	44300	13700	59176.3	46.4
	4'	36.1	0.99	656	8660	2140	11493.09	40.9
	6'	0.0667	0.0366	ND	25.6	ND	25.7033	ND
	8'	ND	ND	ND	ND	ND	0	ND
S2	6"	68.3	16.3	1220	52000	16500	69804.6	40.8
	4'	43.5	0.935	739	7620	1980	10383.435	34.3
	6'	0.0997	0.0482	ND	ND	ND	0.1479	ND
	8'	ND	ND	ND	ND	ND	0	ND
S3	6"	90.1	14.1	1400	49700	16400	67604.2	134
	4'	42.5	1.31	745	9220	2530	12538.81	44.1
	6'	0.0643	0.0454	ND	31.3	ND	31.4097	ND
	8'	ND	ND	ND	ND	ND	0	ND
S4	6"	62.5	5.56	1140	22900	6420	30528.06	1940
	4'	68.5	3.68	974	13600	3710	18356.18	38.4
	6'	0.124	0.0532	ND	28.2	ND	28.3772	ND
	8'	ND	ND	ND	ND	ND	0	ND
S5	6"	65	5.66	1200	23800	6490	31560.66	1990
	4'	79.6	5.68	1210	10200	2710	14205.28	44.7
	6'	0.138	0.0591	ND	31.1	ND	31.2971	ND
	8'	ND	ND	ND	ND	ND	0	ND
S6	6"	56.4	3.84	ND	17900	5240	23200.24	1870
	4'	67.9	3.32	ND	13900	3770	17741.22	45.4
	6'	0.0945	0.0461	ND	27.8	ND	27.9406	ND
	8'	ND	ND	ND	ND	ND	0	ND
S7	6"	16	ND	ND	18500	5800	24316	401
	4'	0.153	ND	ND	1120	380	1500.153	108
	6'	ND	ND	32.5	ND	ND	32.5	ND
	8'	ND	ND	ND	ND	ND	0	ND
S8	6"	18.3	0.671	ND	13700	4550	18268.971	442
	4'	ND	ND	ND	643	214	857	89.9
	6'	ND	ND	31.9	ND	ND	31.9	ND
	8'	ND	ND	ND	ND	ND	0	ND
S9	6"	22.6	0.791	371	16500	5190	22084.391	460
	4'	ND	ND	ND	538	208	746	108
	6'	ND	ND	32.7	ND	ND	32.7	ND
	8'	ND	ND	ND	ND	ND	0	ND
S10	6"	19.6	0.784	304	15300	5340	20964.384	467

	4'	0.123	ND	ND	654	256	910.123	97.9
	6'	0.0356	ND	ND	34.3	ND	34.3356	ND
	8'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW5	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW6	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW7	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW8	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW9	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW10	6"	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

Between November 14 and November 24, Pima Environmental, in partnership with M & M Excavating, conducted excavation activities in the affected area. A heavy equipment operator and a field technician excavated the section corresponding to soil samples S1 through S10 to a depth of 6 feet below ground surface (BGS). The excavation covered approximately 1,950 square feet and resulted in the removal of about 435 cubic yards of contaminated soil. All excavated materials were securely transported to Lea Land, an NMOCD-approved disposal facility.

On November 18, 2024, Spur Energy proactively submitted a 48-hour sampling notification as part of the preliminary preparations leading up to the final confirmation sampling event. This precautionary step was taken with the expectation that all sampling results would fall below the closure criteria established by the New Mexico Oil Conservation Division (NMOCD). Should the results confirm compliance, the plan is to move forward with the closure process. For additional details, the 48-hour notification can be referenced in Appendix C.

On November 21, 2024, a Pima field technician performed a confirmation sampling event at the Maracas site. The technician collected a total of ten bottom samples (CS1–CS10) from the base of the excavation at depths of 6 feet below ground surface (bgs). Additionally, fifteen sidewall samples (CSW1–CSW15) were taken, covering the entire height of the excavation sidewalls, from the bottom to the top. Each soil sample consisted of a five-point composite.

The 6-foot-deep excavation covered approximately 1,950 square feet. Within this area, 10 bottom samples (CS1 through CS10) were collected, while 15 confirmation sidewall samples (CSW1 through CSW15) were taken from the 330-foot perimeter of the excavation. A detailed confirmation sampling map is provided in Figure 5, and the results of this sampling event are summarized in the accompanying data table.

11-21-24 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Spur Energy/Maracas 22 State Tank Battery								
Sample Date:11-21-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	6'	ND	ND	ND	ND	ND	0	96.9
CS2	6'	ND	ND	ND	ND	ND	0	67.2
CS3	6'	ND	ND	ND	ND	ND	0	23.8
CS4	6'	ND	ND	ND	ND	ND	0	97.1
CS5	6'	ND	ND	ND	ND	ND	0	83
CS6	6'	ND	ND	ND	ND	ND	0	21.4
CS7	6'	ND	ND	ND	ND	ND	0	70.4
CS8	6'	ND	ND	ND	ND	ND	0	20.9
CS9	6'	ND	ND	ND	ND	ND	0	102
CS10	6'	ND	ND	ND	ND	ND	0	21.4
CSW1	0-6'	ND	ND	ND	ND	ND	0	ND
CSW2	0-6'	ND	ND	ND	ND	ND	0	ND
CSW3	0-6'	ND	ND	ND	ND	ND	0	ND
CSW4	0-6'	ND	ND	ND	ND	ND	0	ND
CSW5	0-6'	ND	ND	ND	ND	ND	0	ND
CSW6	0-6'	ND	ND	ND	ND	ND	0	ND
CSW7	0-6'	ND	ND	ND	ND	ND	0	ND
CSW8	0-6'	ND	ND	ND	ND	ND	0	ND
CSW9	0-6'	ND	ND	ND	ND	ND	0	ND
CSW10	0-6'	ND	ND	ND	ND	ND	0	ND
CSW11	0-6'	ND	ND	ND	ND	ND	0	ND
CSW12	0-6'	ND	ND	ND	ND	ND	0	ND
CSW13	0-6'	ND	ND	ND	ND	ND	0	ND
CSW14	0-6'	ND	ND	ND	ND	ND	0	ND
CSW15	0-6'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Each soil sample was a 5-point composite derived from the excavated area, specifically representing an area not exceeding 200 square feet of the open excavation. A total of twenty-five (25) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Laboratories in Farmington, New Mexico (Appendix C).

Upon confirmation that all soil samples met the closure standards set by the New Mexico Oil Conservation Division (NMOCD), clean backfill material was brought in and utilized to restore the excavated area, returning it to its original state.

Closure Request

After careful review, Pima requests that this incident, NAPP2410037551, be closed. Spur Energy has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

For questions or additional information, please feel free to contact:

Spur Energy – Katherine Purvis at 575-441-8619 or katherine.purvis@spurenergy.com

Pima Environmental Services – Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Initial Site Map
- 5- Confirmation Site Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Map

Appendix C – 48 Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map



Figure 4- Initial Site Map

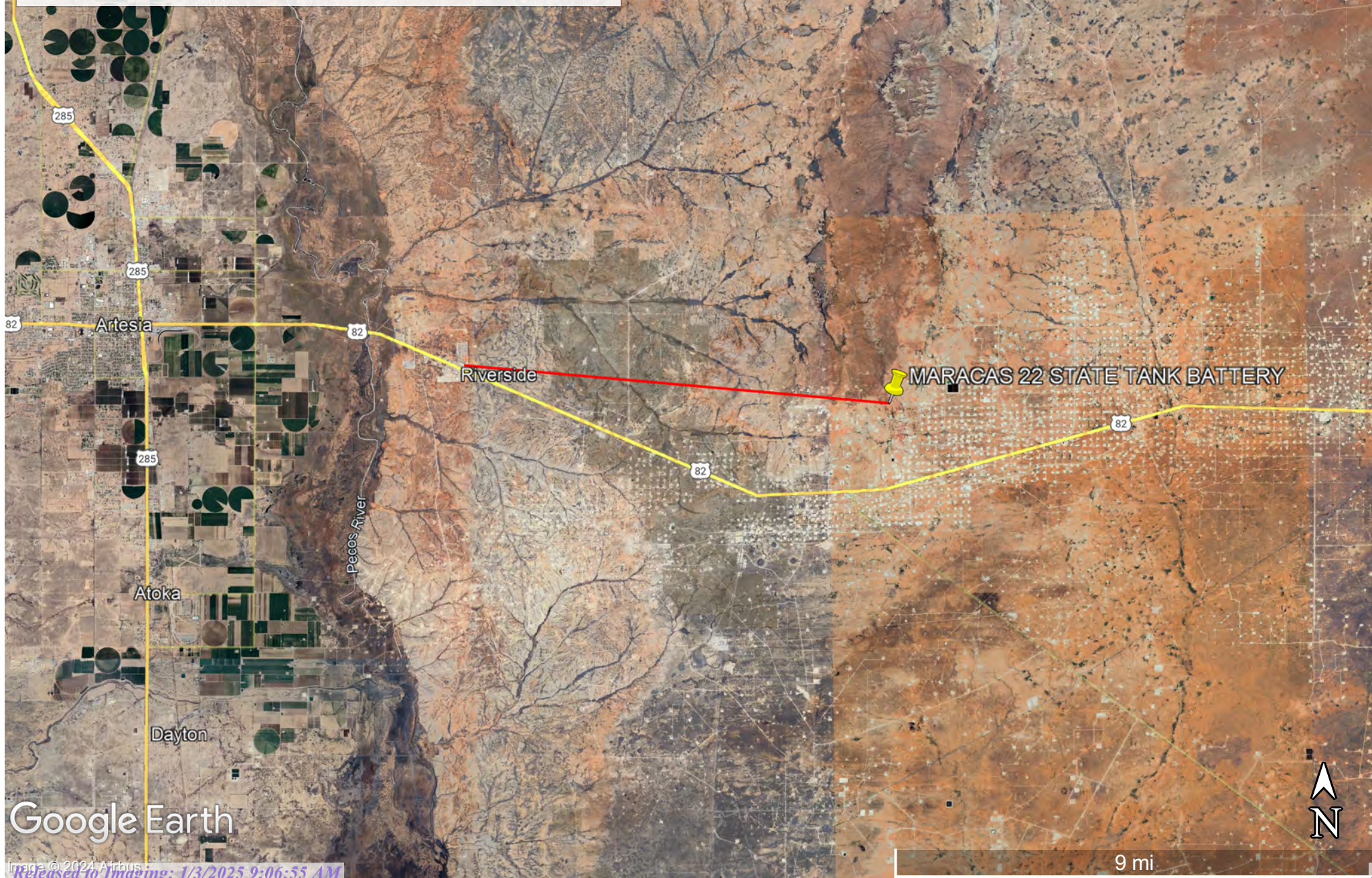
Figure 5- Confirmation Sample Map

MARACAS 22 STATE TANK BATTERY

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

Legend

-  8 miles East of Riverside, NM
-  MARACAS 22 STATE TANK BATTERY



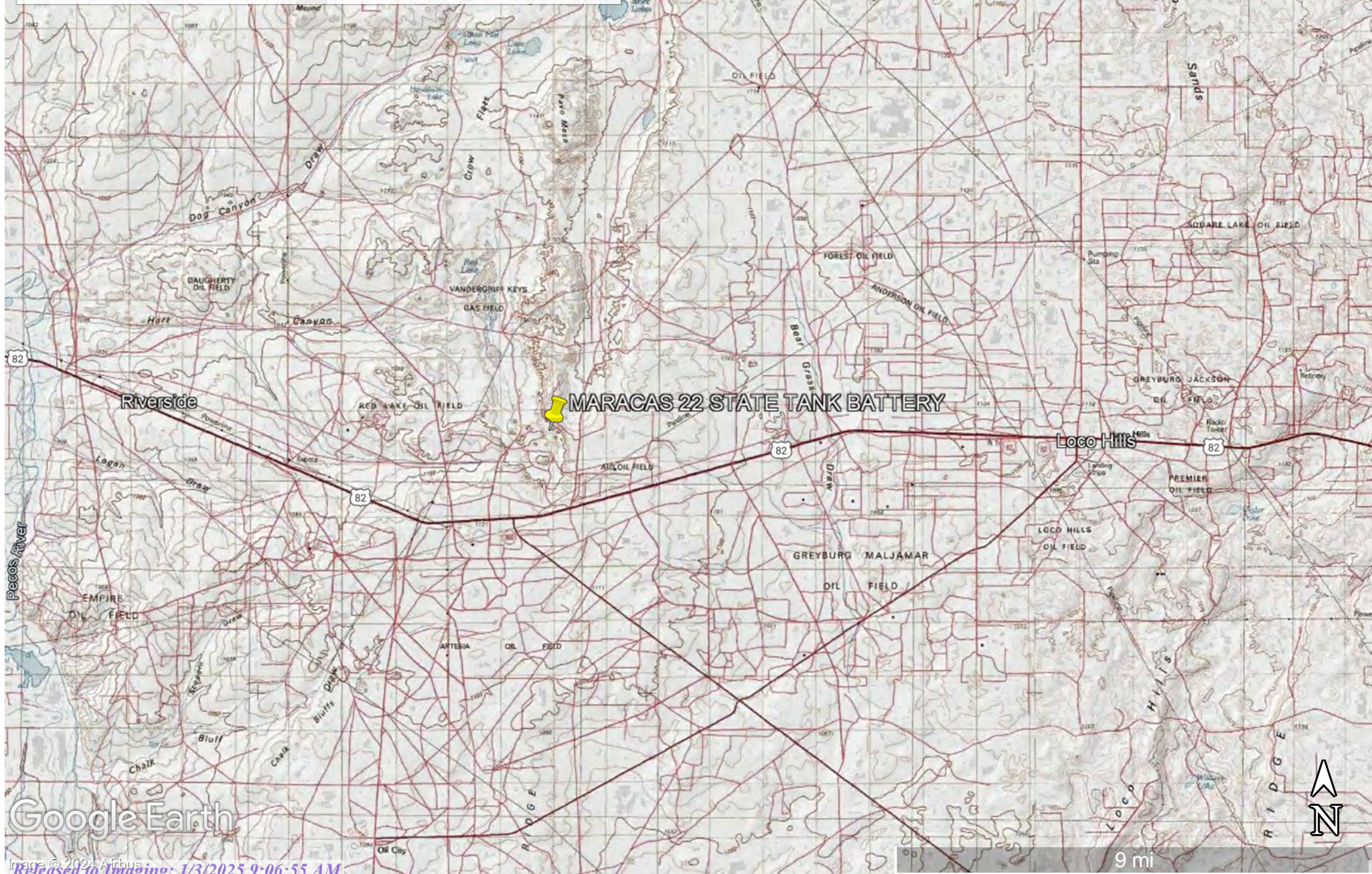
Google Earth

MARACAS 22 STATE TANK BATTERY

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

Legend

 MARACAS 22 STATE TANK BATTERY







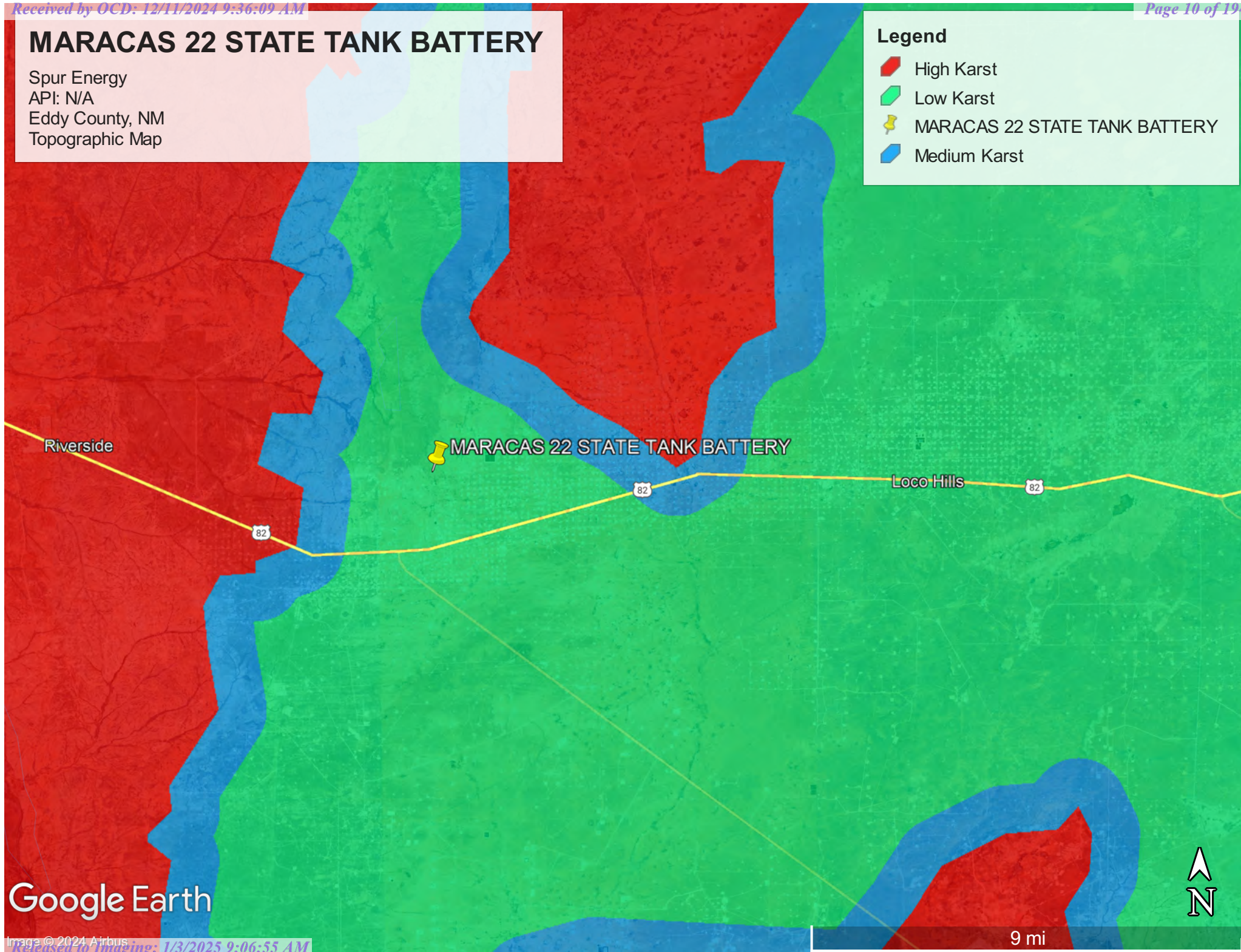
Google Earth

MARACAS 22 STATE TANK BATTERY

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

Legend

-  High Karst
-  Low Karst
-  MARACAS 22 STATE TANK BATTERY
-  Medium Karst



Google Earth

MARACAS 22 STATE TANK BATTERY

Spur Energy
API: N/A
Eddy County, NM
Initial Site Map

Legend




- 6' Proposed Excavation
- Horizontal Delineation Sample
- Vertical Delineation Sample

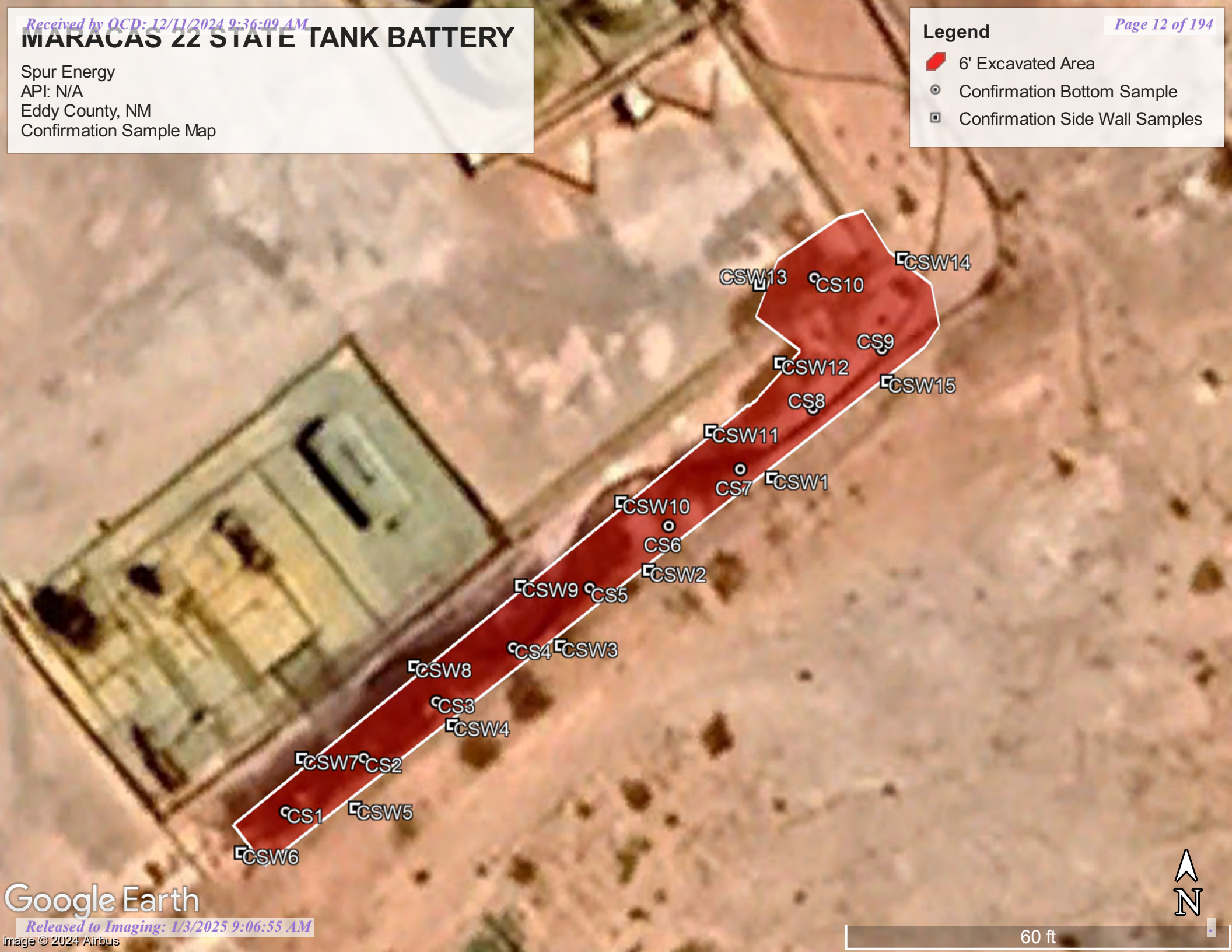


MARACAS 22 STATE TANK BATTERY

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

Legend

-  6' Excavated Area
-  Confirmation Bottom Sample
-  Confirmation Side Wall Samples





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	RA 13398 POD1	SW	SW	SE	21	17S	28E	576761.0	3631681.9	

* UTM location was derived from PLSS - see Help

Driller License:

1184

Driller Company:

WEST TEXAS WATER WELL SERVICE

Driller Name:

RUSSELL SOUTHERLAND

Drill Start Date:

2024-01-15

Drill Finish Date:

2024-01-15

Plug Date:

2024-01-19

Log File Date:

2024-02-05

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

55

Depth Water:

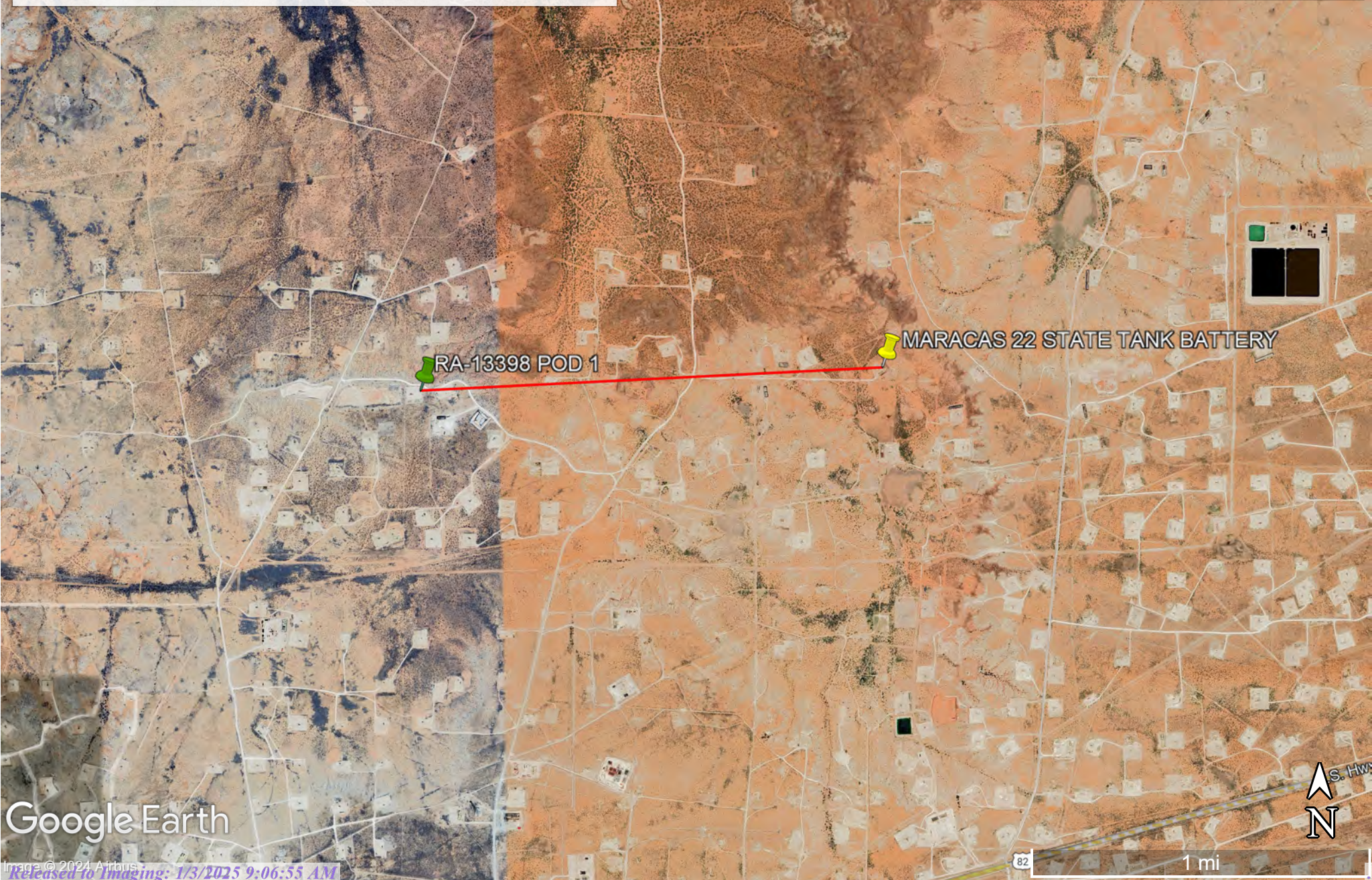
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

MARACAS 22 STATE TANK BATTERY

Spur Energy
API: N/A
Eddy County, NM
OSE POD Map

Legend

-  1.37 miles
-  MARACAS 22 STATE TANK BATTERY
-  RA-13398 POD 1



Google Earth



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324855104093101

Minimum number of levels = 1

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

USGS 324855104093101 17S.28E.22.34242

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°48'55", Longitude 104°09'31" NAD27

Land-surface elevation 3,578 feet above NGVD29

The depth of the well is 95.00 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

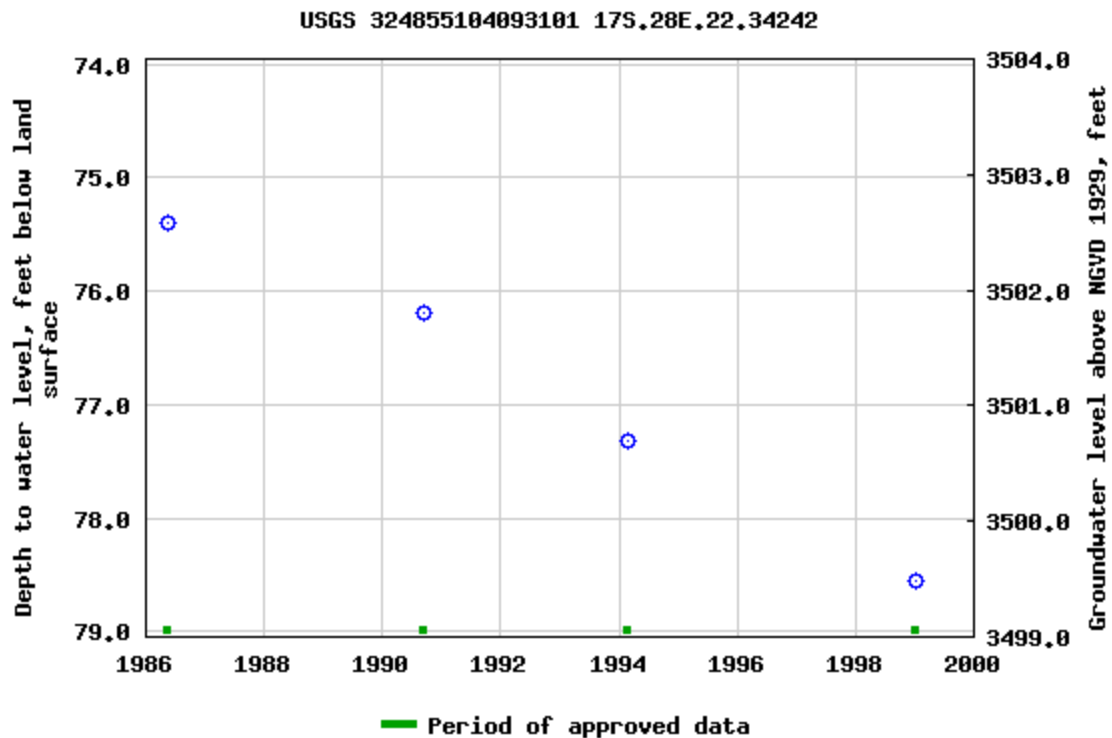
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

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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: 2024-08-01 14:45:12 EDT

0.57 0.45 nadww01

MARACAS 22 STATE TANK BATTERY

Spur Energy
API: N/A
Eddy County, NM
USGS Map

Legend

- 0.44 of a mile
- MARACAS 22 STATE TANK BATTERY
- USGS 324855104093101

MARACAS 22 STATE TANK BATTERY

USGS 324855104093101

Google Earth




2000 ft

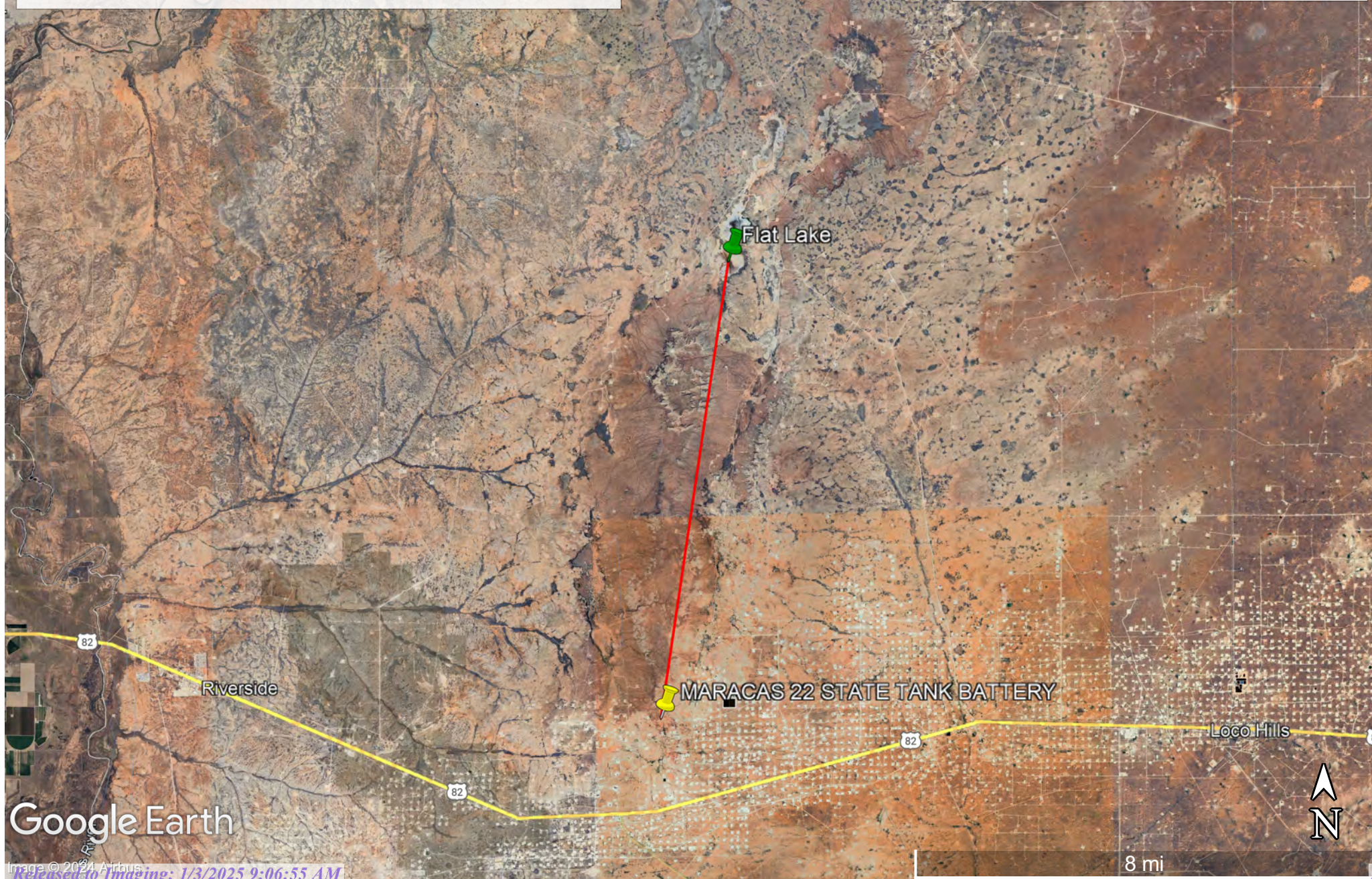


MARACAS 22 STATE TANK BATTERY

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

Legend

-  8 miles
-  Flat Lake
-  MARACAS 22 STATE TANK BATTERY



Google Earth



Appendix B

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

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

Eddy Area, New Mexico

PD—Pajarito-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w55

Elevation: 3,000 to 5,000 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 46 percent

Dune land: 45 percent

Minor components: 9 percent

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

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear

Across-slope shape: Linear, convex

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: fine sandy loam

H2 - 9 to 36 inches: fine sandy loam

H3 - 36 to 72 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: Very low

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e

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

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

Description of Dune Land

Setting

Landform: Dune fields
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Talf
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent
Hydric soil rating: No

Largo

Percent of map unit: 4 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

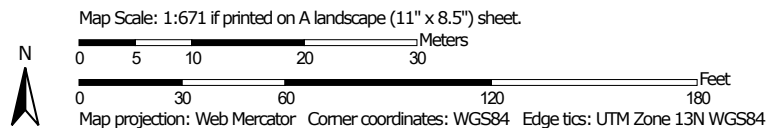
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/1/2024
Page 1 of 3

Soil Map—Eddy Area, 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: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

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
PD	Pajarito-Dune land complex, 0 to 3 percent slopes	2.0	100.0%
Totals for Area of Interest		2.0	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)

Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region

XML (/geology/state/xml/NMQoa;0)

JSON (/geology/state/json/NMQoa;0)

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

Includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region
Geologic age	Middle to lower Pleistocene
Lithologic constituents	Major Unconsolidated (Alluvial, Lacustrine, Eolian) Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region
References	<div>Green, G.N., Jones, G.E., and Anderson, O.J., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format: U.S. Geological Survey Open-File Report 97-0052, 9 p., scale 1:500,000. https://pubs.er.usgs.gov/publication/ofr9752 (https://pubs.er.usgs.gov/publication/ofr9752)</div>
NGMDB product	<div>NGMDB product page for 59219 (https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm)</div> <div>NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)</div>

Counties

Bernalillo (/geology/state/fips-unit.php?code=f35001) - Catron (/geology/state/fips-unit.php?code=f35003) - Chaves (/geology/state/fips-unit.php?code=f35005) - Colfax (/geology/state/fips-unit.php?code=f35007) - Curry (/geology/state/fips-unit.php?code=f35009) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Grant (/geology/state/fips-unit.php?code=f35017) - Guadalupe (/geology/state/fips-unit.php?code=f35019) - Harding (/geology/state/fips-unit.php?code=f35021) - Lea (/geology/state/fips-unit.php?code=f35025) - Lincoln (/geology/state/fips-unit.php?code=f35027) - Luna (/geology/state/fips-unit.php?code=f35029) - Mora (/geology/state/fips-unit.php?code=f35033) - Quay (/geology/state/fips-unit.php?code=f35037) - Roosevelt (/geology/state/fips-unit.php?code=f35041) - Santa Fe (/geology/state/fips-unit.php?code=f35049) - Socorro (/geology/state/fips-unit.php?code=f35053) - Torrance (/geology/state/fips-unit.php?code=f35057) - Valencia (/geology/state/fips-unit.php?code=f35061)

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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.doioig.gov/>) |

White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |

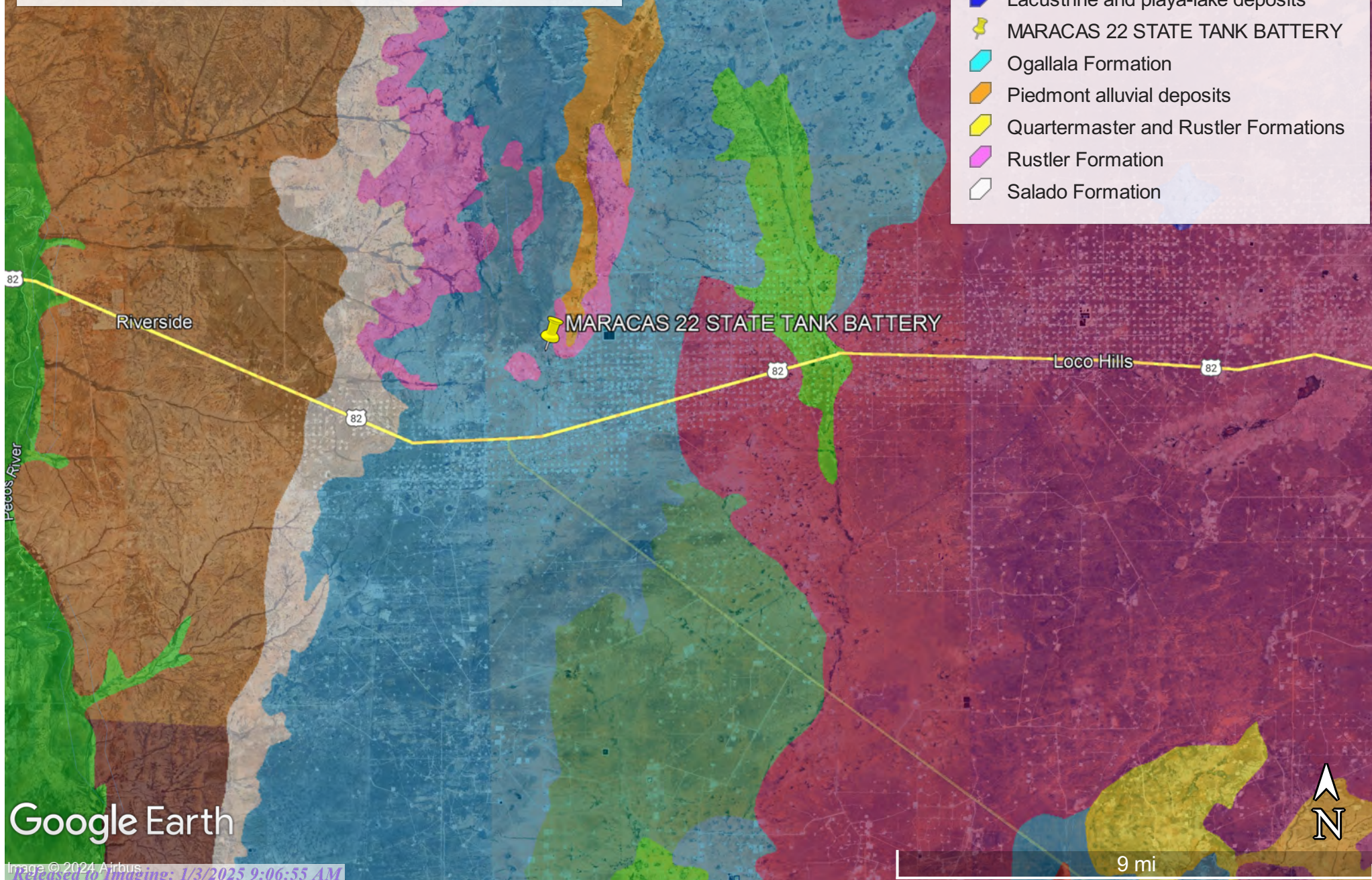
No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

MARACAS 22 STATE TANK BATTERY

Spur Energy
API: N/A
Eddy County, NM
Geological Map

Legend

- Artesia Group
- Eolian and piedmont deposits
- Eolian deposits
- Lacustrine and playa-lake deposits
- MARACAS 22 STATE TANK BATTERY
- Ogallala Formation
- Piedmont alluvial deposits
- Quartermaster and Rustler Formations
- Rustler Formation
- Salado Formation



Google Earth

National Flood Hazard Layer FIRMette



104°9'42"W 32°49'32"N



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

1:6,000

104°9'5"W 32°49'2"N

Released to Imaging: 1/3/2025 9:06:55 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

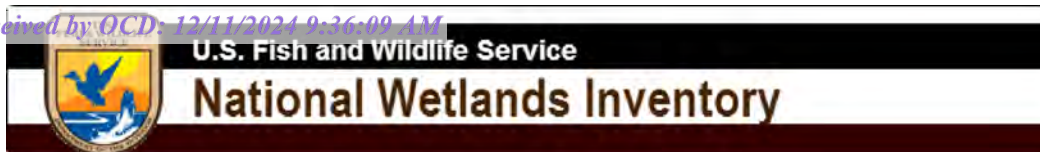


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

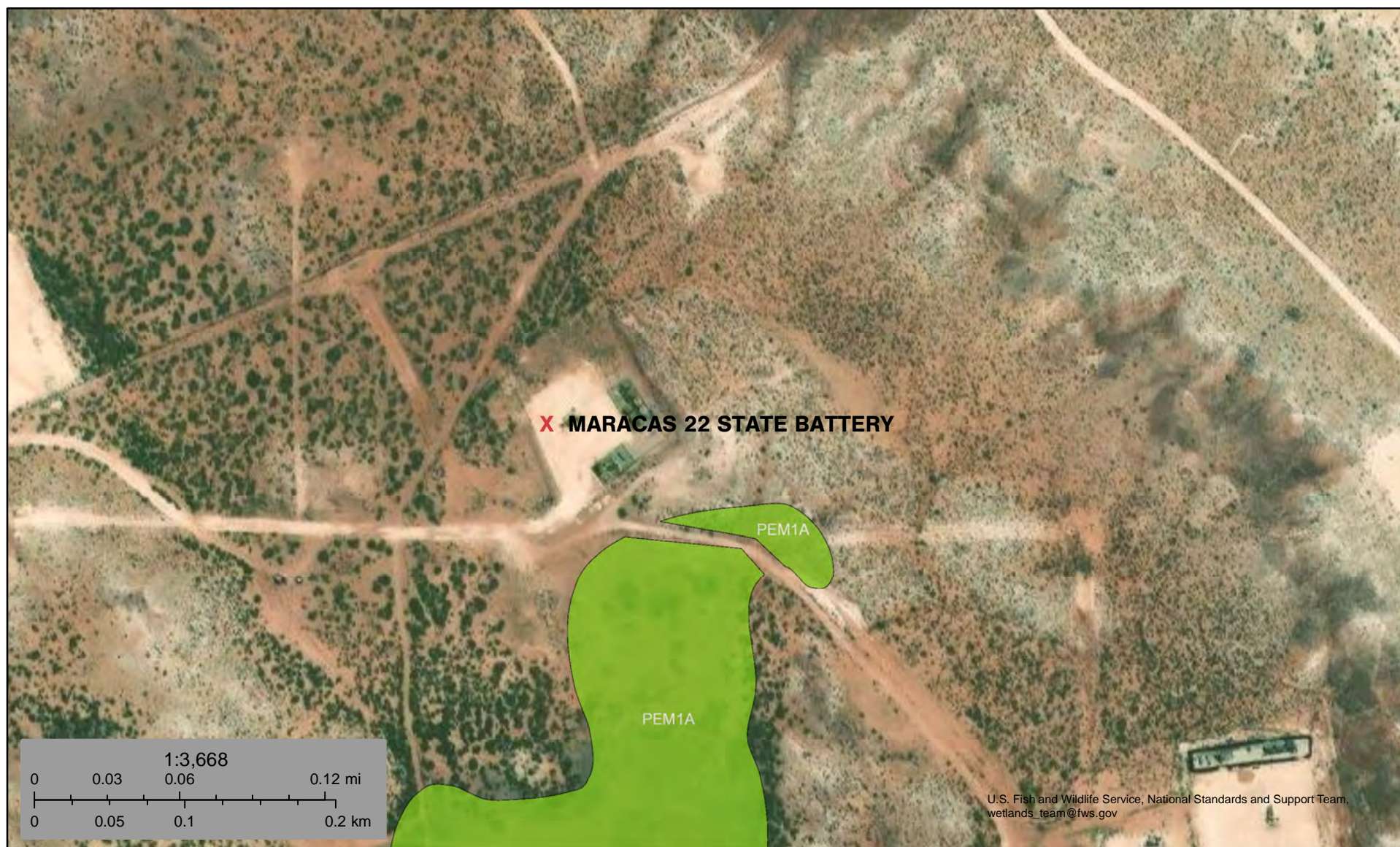
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/1/2024 at 3:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



August 1, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Appendix C

○ 48-Hour Notification

Sebastian@pimaoil.com

From: OCDOnline@state.nm.us
Sent: Monday, November 18, 2024 6:11 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 404536

To whom it may concern (c/o Sebastian Orozco for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2410037551.

The sampling event is expected to take place:

When: 11/21/2024 @ 07:00

Where: H-22-17S-28E 0 FNL 0 FEL (32.82146,-104.15653)

Additional Information: Marisa Loya
575-408-3446

Additional Instructions: 32.82146,-104.15653

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



Appendix D

○ Photographic Documentation

PHOTOGRAPHIC DOCUMENTATION

SITE NAME:Maracas 22 Tank Battery

Assessment/Pre-Excavation



Photo of the release taken by site tech prior to gathering sample facing South.



Photo of the release taken by site tech prior to gathering sample facing Northeast.



Photo of the Bobcat auger gathering samples facing North.



Photo of the Bobcat auger gathering samples facing Northwest.



Photo of the Bobcat auger gathering samples facing North.



Photo of the Bobcat auger gathering samples facing Southeast.



Photo of the Bobcat auger gathering samples facing Southeast.



Photo of the Bobcat auger gathering samples facing West.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Maracas 22 Tank Battery

Excavation



Photo of the site being completely excavated.



Photo of the site being completely excavated facing West.



Photo of the site being completely excavated facing West.



Photo of the site being completely excavated facing Northeast.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Maracas 22 Tank Battery

Backfill

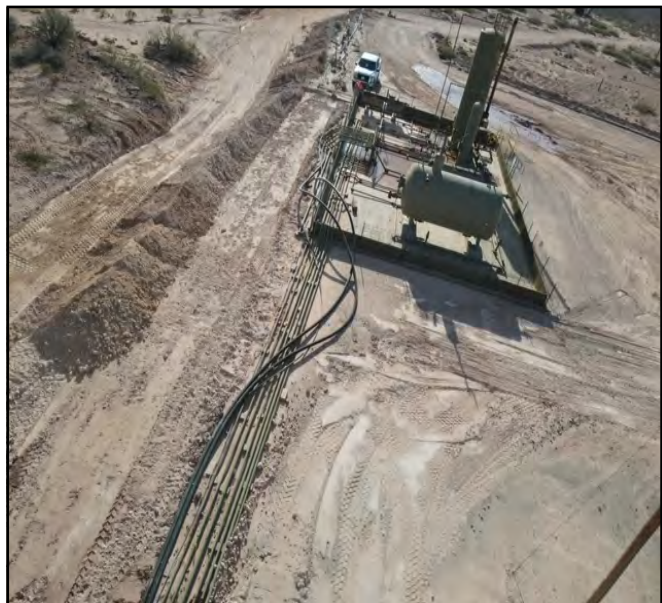


Photo taken by drone of site backfilled with clean material.



Photo taken by drone of site backfilled with clean material.



Photo taken by drone of site backfilled with clean material.



Photo taken by drone of site backfilled with clean material.



Appendix E

○ Laboratory Reports

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maracas 22 State Tank Battery

Work Order: E408069

Job Number: 21068-0001

Received: 8/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/14/24

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: 8/14/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Maracas 22 State Tank Battery
Workorder: E408069
Date Received: 8/8/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2024 8:30:00AM, under the Project Name: Maracas 22 State Tank Battery.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
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ljjarboe@envirotech-inc.com

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Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/14/24 14:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6"	E408069-01A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S1 - 4'	E408069-02A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S1 - 6'	E408069-03A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S1 - 8'	E408069-04A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S2 - 6"	E408069-05A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S2 - 4'	E408069-06A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S2 - 6'	E408069-07A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S2 - 8'	E408069-08A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S3 - 6"	E408069-09A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S3 - 4'	E408069-10A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S3 - 6'	E408069-11A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S3 - 8'	E408069-12A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S4 - 6"	E408069-13A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S4 - 4'	E408069-14A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S4 - 6'	E408069-15A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S4 - 8'	E408069-16A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S5 - 6"	E408069-17A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S5 - 4'	E408069-18A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S5 - 6'	E408069-19A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S5 - 8'	E408069-20A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 2:32:28PM
---	---	----------------------------------

S1 - 6"
E408069-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	13.9	0.250	10	08/08/24	08/14/24	
Ethylbenzene	37.6	0.250	10	08/08/24	08/14/24	
Toluene	80.5	0.250	10	08/08/24	08/14/24	
o-Xylene	19.1	0.250	10	08/08/24	08/14/24	
p,m-Xylene	43.3	0.500	10	08/08/24	08/14/24	
Total Xylenes	62.4	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1100	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	44300	1250	50	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	13700	2500	50	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
		385 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	46.4	20.0	1	08/08/24	08/08/24	

Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S1 - 4'

E408069-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.990	0.250	10	08/08/24	08/14/24	
Ethylbenzene	19.0	0.250	10	08/08/24	08/14/24	
Toluene	15.3	0.250	10	08/08/24	08/14/24	
o-Xylene	11.3	0.250	10	08/08/24	08/14/24	
p,m-Xylene	24.8	0.500	10	08/08/24	08/14/24	
Total Xylenes	36.1	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	656	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	8660	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	2140	1000	20	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
		244 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	40.9	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S1 - 6'

E408069-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Benzene	0.0366	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0617	0.0250	1	08/08/24	08/14/24	
Toluene	0.145	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.0667	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.0667	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432088
Diesel Range Organics (C10-C28)	25.6	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	93.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2432101
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S1 - 8'

E408069-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0266	0.0250	1	08/08/24	08/14/24	
Toluene	0.0470	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	93.7 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2432101
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 6"

E408069-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	16.3	0.250	10	08/08/24	08/14/24	
Ethylbenzene	41.7	0.250	10	08/08/24	08/14/24	
Toluene	93.1	0.250	10	08/08/24	08/14/24	
o-Xylene	21.5	0.250	10	08/08/24	08/14/24	
p,m-Xylene	46.8	0.500	10	08/08/24	08/14/24	
Total Xylenes	68.3	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1220	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	52000	1250	50	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	16500	2500	50	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
		422 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	40.8	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S2 - 4'

E408069-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.935	0.250	10	08/08/24	08/14/24	
Ethylbenzene	22.7	0.250	10	08/08/24	08/14/24	
Toluene	17.0	0.250	10	08/08/24	08/14/24	
o-Xylene	13.5	0.250	10	08/08/24	08/14/24	
p,m-Xylene	30.0	0.500	10	08/08/24	08/14/24	
Total Xylenes	43.5	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	739	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	7620	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	1980	1000	20	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	241 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	34.3	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 6'

E408069-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.0482	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0700	0.0250	1	08/08/24	08/14/24	
Toluene	0.180	0.0250	1	08/08/24	08/14/24	
o-Xylene	0.0263	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.0734	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.0997	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	94.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S2 - 8'

E408069-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/14/24	
Toluene	ND	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2432091
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432088
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	91.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2432101
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 2:32:28PM
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S3 - 6"

E408069-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	14.1	0.250	10	08/08/24	08/14/24	
Ethylbenzene	57.2	0.250	10	08/08/24	08/14/24	
Toluene	102	0.250	10	08/08/24	08/14/24	
o-Xylene	27.1	0.250	10	08/08/24	08/14/24	
p,m-Xylene	63.0	0.500	10	08/08/24	08/14/24	
Total Xylenes	90.1	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1400	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	49700	1250	50	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	16400	2500	50	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	498 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	134	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 - 4'

E408069-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	1.31	0.250	10	08/08/24	08/14/24	
Ethylbenzene	22.8	0.250	10	08/08/24	08/14/24	
Toluene	18.6	0.250	10	08/08/24	08/14/24	
o-Xylene	13.3	0.250	10	08/08/24	08/14/24	
p,m-Xylene	29.2	0.500	10	08/08/24	08/14/24	
Total Xylenes	42.5	0.250	10	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	745	200	10	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	9220	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	2530	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane		257 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	44.1	20.0	1	08/08/24	08/09/24	

Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S3 - 6'

E408069-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.0454	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0600	0.0250	1	08/08/24	08/14/24	
Toluene	0.146	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.0643	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.0643	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	31.3	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	91.6 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 2:32:28PM
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S3 - 8'

E408069-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/14/24	
Toluene	ND	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	90.9 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S4 - 6"

E408069-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	5.56	0.250	10	08/08/24	08/14/24	
Ethylbenzene	35.7	0.250	10	08/08/24	08/14/24	
Toluene	50.6	0.250	10	08/08/24	08/14/24	
o-Xylene	17.9	0.250	10	08/08/24	08/14/24	
p,m-Xylene	44.6	0.500	10	08/08/24	08/14/24	
Total Xylenes	62.5	0.250	10	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1140	200	10	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	22900	1250	50	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	6420	2500	50	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	328 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	1940	40.0	2	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 - 4'

E408069-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	3.68	0.250	10	08/08/24	08/14/24	
Ethylbenzene	37.9	0.250	10	08/08/24	08/14/24	
Toluene	40.5	0.250	10	08/08/24	08/14/24	
o-Xylene	21.9	0.250	10	08/08/24	08/14/24	
p,m-Xylene	46.6	0.500	10	08/08/24	08/14/24	
Total Xylenes	68.5	0.250	10	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	974	200	10	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	13600	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	3710	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane		359 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	38.4	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S4 - 6'

E408069-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.0532	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0885	0.0250	1	08/08/24	08/14/24	
Toluene	0.231	0.0250	1	08/08/24	08/14/24	
o-Xylene	0.0318	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.0918	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.124	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	28.2	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	93.9 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 - 8'

E408069-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0275	0.0250	1	08/08/24	08/14/24	
Toluene	0.0673	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	93.1 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 2:32:28PM
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S5 - 6"

E408069-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	5.66	0.250	10	08/08/24	08/14/24	
Ethylbenzene	37.1	0.250	10	08/08/24	08/14/24	
Toluene	52.2	0.250	10	08/08/24	08/14/24	
o-Xylene	18.8	0.250	10	08/08/24	08/14/24	
p,m-Xylene	46.3	0.500	10	08/08/24	08/14/24	
Total Xylenes	65.0	0.250	10	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1200	200	10	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	23800	1250	50	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	6490	2500	50	08/08/24	08/10/24	
Surrogate: n-Nonane	336 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	1990	40.0	2	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 2:32:28PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S5 - 4'

E408069-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	5.68	0.250	10	08/08/24	08/14/24	
Ethylbenzene	45.3	0.250	10	08/08/24	08/14/24	
Toluene	52.9	0.250	10	08/08/24	08/14/24	
o-Xylene	24.8	0.250	10	08/08/24	08/14/24	
p,m-Xylene	54.8	0.500	10	08/08/24	08/14/24	
Total Xylenes	79.6	0.250	10	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	1210	200	10	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	10200	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	2710	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane	295 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	44.7	20.0	1	08/08/24	08/09/24	

Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S5 - 6'

E408069-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	0.0591	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0977	0.0250	1	08/08/24	08/14/24	
Toluene	0.254	0.0250	1	08/08/24	08/14/24	
o-Xylene	0.0364	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.102	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.138	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	31.1	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 2:32:28PM

S5 - 8'

E408069-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0288	0.0250	1	08/08/24	08/14/24	
Toluene	0.0459	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>92.3 %</i>	<i>70-130</i>		<i>08/08/24</i>	<i>08/14/24</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>104 %</i>	<i>70-130</i>		<i>08/08/24</i>	<i>08/14/24</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>	<i>95.1 %</i>	<i>50-200</i>		<i>08/08/24</i>	<i>08/10/24</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2432101	
Chloride	ND	20.0	1	08/08/24	08/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 2:32:28PM

Volatile Organics by EPA 8021B

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 (2432091-BLK1) Prepared: 08/08/24 Analyzed: 08/14/24

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	7.18		8.00		89.7	70-130			

LCS (2432091-BS1) Prepared: 08/08/24 Analyzed: 08/14/24

Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike (2432091-MS1) Source: E408069-11 Prepared: 08/08/24 Analyzed: 08/14/24

Benzene	5.38	0.0250	5.00	0.0454	107	54-133			
Ethylbenzene	5.02	0.0250	5.00	0.0600	99.2	61-133			
Toluene	5.30	0.0250	5.00	0.146	103	61-130			
o-Xylene	5.11	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	0.0643	103	63-131			
Total Xylenes	15.4	0.0250	15.0	0.0643	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.7	70-130			

Matrix Spike Dup (2432091-MSD1) Source: E408069-11 Prepared: 08/08/24 Analyzed: 08/14/24

Benzene	5.43	0.0250	5.00	0.0454	108	54-133	0.928	20	
Ethylbenzene	5.09	0.0250	5.00	0.0600	101	61-133	1.30	20	
Toluene	5.36	0.0250	5.00	0.146	104	61-130	1.18	20	
o-Xylene	5.20	0.0250	5.00	ND	104	63-131	1.56	20	
p,m-Xylene	10.5	0.0500	10.0	0.0643	104	63-131	1.39	20	
Total Xylenes	15.7	0.0250	15.0	0.0643	104	63-131	1.45	20	
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 2:32:28PM

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 (2432091-BLK1) Prepared: 08/08/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.29		8.00		104	70-130			

LCS (2432091-BS2) Prepared: 08/08/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.41		8.00		105	70-130			

Matrix Spike (2432091-MS2) Source: E408069-11 Prepared: 08/08/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.44		8.00		105	70-130			

Matrix Spike Dup (2432091-MSD2) Source: E408069-11 Prepared: 08/08/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.7	70-130	2.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 2:32:28PM

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 (2432088-BLK1)					Prepared: 08/08/24 Analyzed: 08/10/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2432088-BS1)					Prepared: 08/08/24 Analyzed: 08/10/24				
Diesel Range Organics (C10-C28)	229	25.0	250		91.4	38-132			
Surrogate: n-Nonane	49.1		50.0		98.1	50-200			

Matrix Spike (2432088-MS1)					Source: E408069-08		Prepared: 08/08/24 Analyzed: 08/10/24		
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.2	38-132			
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			

Matrix Spike Dup (2432088-MSD1)					Source: E408069-08		Prepared: 08/08/24 Analyzed: 08/10/24		
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132	2.34	20	
Surrogate: n-Nonane	48.0		50.0		95.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 2:32:28PM

Anions by EPA 300.0/9056A

Analyst: WF

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 (2432101-BLK1)					Prepared: 08/08/24 Analyzed: 08/08/24				
Chloride	ND	20.0							
LCS (2432101-BS1)					Prepared: 08/08/24 Analyzed: 08/08/24				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2432101-MS1)					Source: E408069-04		Prepared: 08/08/24 Analyzed: 08/08/24		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2432101-MSD1)					Source: E408069-04		Prepared: 08/08/24 Analyzed: 08/08/24		
Chloride	262	20.0	250	ND	105	80-120	0.776	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:	Maracas 22 State Tank Battery	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/14/24 14:32

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- 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 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: Maracas 22 State Tank Battery					Attention: <u>SPur</u>		Lab WO# <u>E408069</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Gio Gomez					Address:									<input checked="" type="checkbox"/>			
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA		
City, State, Zip Hobbs, NM, 88240					Phone:												
Phone: 806-782-1151					Email:												
Email: gio@pimaoil.com					Pima Project # <u>6-334</u>												
Report due by:																	
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	State	Remarks
8:31	8/6	S		S1-6"	1									<input checked="" type="checkbox"/>			
8:36				S1-4'	2												
8:41				S1-6'	3												
8:49				S1-8'	4												
8:53				S2-6"	5												
9:11				S2-4'	6												
9:21				S2-6'	7												
9:28				S2-8'	8												
9:33				S3-6"	9												
9:36				S3-4'	10												
Additional Instructions: <u>Billing 7010-7410</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Karime Adame</u>		<u>8/7/24</u>	<u>1345</u>	<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1345</u>	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1550</u>	<u>Camden Briggs</u>		<u>8-7-24</u>	<u>17:10</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>Camden Briggs</u>		<u>8-8-24</u>	<u>0012</u>	<u>[Signature]</u>		<u>8-8-24</u>	<u>0830</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 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Maracas 22 State Tank Battery</u>					Attention: <u>Spur</u>		Lab WO# <u>E-68069</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:									X		
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>											
Report due by:																
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
9:45	8/6	S		S3-6'	11									X		
9:51				S3-8'	12											
9:59				S4-6"	13											
10:16				S4-4'	14											
10:21				S4-6'	15											
10:34				S4-8'	16											
10:42				S5-6"	17											
10:59				S5-4'	18											
11:11				S5-6'	19											
11:19				S5-8'	20											
Additional Instructions: <u>Billing 7010-7410</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)		Date	Time	Received by: (Signature)		Date	Time									
<u>Karine Adame</u>		<u>8/7/24</u>	<u>1345</u>	<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1345</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1550</u>	<u>Camden Briggs</u>		<u>8-7-24</u>	<u>17:10</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
<u>Camden Briggs</u>		<u>8-8-24</u>	<u>0012</u>	<u>[Signature]</u>		<u>8-8-24</u>	<u>0830</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: 8/8/2024 12:27:21PM

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:	08/08/24 08:30	Work Order ID:	E408069
Phone:	(575) 631-6977	Date Logged In:	08/07/24 15:57	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	08/14/24 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? No
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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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



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Project Information

Chain of Custody

Page 1 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program														
Project: Maracas 22 State Tank Battery					Attention: <u>SPur</u>		Lab WO# <u>E4080691</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA											
Project Manager: Gio Gomez					Address:		Analysis and Method								RCRA												
Address: 5614 N. Lovington Hwy.					City, State, Zip										State												
City, State, Zip Hobbs, NM, 88240					Phone:		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		TX		BGDOC		Remarks		
Phone: 806-782-1151					Email:																						
Email: gio@pimaoil.com					Pima Project # <u>6-334</u>																						
Report due by:																											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																						
8:31	8/6	S		S1-6"	1																						
8:36				S1-4'	2																						
8:41				S1-6'	3																						
8:49				S1-8'	4																						
8:53				S2-6"	5																						
9:11				S2-4'	6																						
9:21				S2-6'	7																						
9:28				S2-8'	8																						
9:33				S3-6"	9																						
9:36				S3-4'	10																						
Additional Instructions: <u>Billing 7010-7410 09/23</u> <u>Added per Sebastian 8/13/24 RA</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.																											
Sampled by:																											
Relinquished by: (Signature) <u>Karime Adams</u>							Date <u>8/7/24</u> Time <u>1345</u>							Received by: (Signature) <u>Michelle Gonzales</u>							Date <u>8-7-24</u> Time <u>1345</u>						
Relinquished by: (Signature) <u>Michelle Gonzales</u>							Date <u>8-7-24</u> Time <u>1550</u>							Received by: (Signature) <u>Camden Briggs</u>							Date <u>8-7-24</u> Time <u>17:10</u>						
Relinquished by: (Signature) <u>Camden Briggs</u>							Date <u>8-8-24</u> Time <u>0012</u>							Received by: (Signature) <u>CS</u>							Date <u>8-8-24</u> Time <u>0830</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.																											


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Project Information

Chain of Custody

Page 2 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Maracas 22 State Tank Battery</u>					Attention: <u>Spur</u>		Lab WO# <u>E408069</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	STEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State	
															<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX	
Remarks																
9:45	8/6	S		S3-6'	11								X			
9:51				S3-8'	12											
9:59				S4-6"	13											
10:16				S4-4'	14											
10:21				S4-6'	15											
10:34				S4-8'	16											
10:42				S5-6"	17											
10:59				S5-4'	18											
11:11				S5-6'	19											
11:19				S5-8'	20											
Additional Instructions: <u>Billing 7010-7410 99123 Added per Sebastian 8/13/24 RAR</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karime Adame</u>		<u>8/7/24</u>	<u>1345</u>	<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1345</u>	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1550</u>	<u>Candice Briggs</u>		<u>8-7-24</u>	<u>1710</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Candice Briggs</u>		<u>8-8-24</u>	<u>0012</u>	<u>[Signature]</u>		<u>8-8-24</u>	<u>0830</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.																


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Report to:
Gio Gomez



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Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maracas 22 State Tank Battery

Work Order: E408070

Job Number: 21068-0001

Received: 8/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/14/24

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: 8/14/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Maracas 22 State Tank Battery
Workorder: E408070
Date Received: 8/8/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2024 8:30:00AM, under the Project Name: Maracas 22 State Tank Battery.

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

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

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

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

Respectfully,

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

Raina Schwanz
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/14/24 13:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 6"	E408070-01A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S6 - 4'	E408070-02A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S6 - 6'	E408070-03A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S6 - 8'	E408070-04A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S7 - 6"	E408070-05A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S7 - 4'	E408070-06A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S7 - 6'	E408070-07A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S7 - 8'	E408070-08A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S8 - 6"	E408070-09A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S8 - 4'	E408070-10A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S8 - 6'	E408070-11A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S8 - 8'	E408070-12A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S9 - 6"	E408070-13A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S9 - 4'	E408070-14A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S9 - 6'	E408070-15A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S9 - 8'	E408070-16A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S10 - 6"	E408070-17A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S10 - 4'	E408070-18A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S10 - 6'	E408070-19A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
S10 - 8'	E408070-20A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S6 - 6"
E408070-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	3.84	1.25	50	08/08/24	08/13/24	
Ethylbenzene	29.2	1.25	50	08/08/24	08/13/24	
Toluene	41.0	1.25	50	08/08/24	08/13/24	
o-Xylene	15.3	1.25	50	08/08/24	08/13/24	
p,m-Xylene	41.1	2.50	50	08/08/24	08/13/24	
Total Xylenes	56.4	1.25	50	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.7 %	70-130	08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	1000	50	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	17900	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	5240	1000	20	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
		265 %	50-200	08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	1870	40.0	2	08/08/24	08/08/24	

Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S6 - 4'

E408070-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	3.32	1.25	50	08/08/24	08/13/24	
Ethylbenzene	37.3	1.25	50	08/08/24	08/13/24	
Toluene	42.3	1.25	50	08/08/24	08/13/24	
o-Xylene	20.3	1.25	50	08/08/24	08/13/24	
p,m-Xylene	47.6	2.50	50	08/08/24	08/13/24	
Total Xylenes	67.9	1.25	50	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	1000	50	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	13900	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	3770	1000	20	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	403 %	50-200		08/08/24	08/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	45.4	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S6 - 6'

E408070-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432092
Benzene	0.0461	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	0.0716	0.0250	1	08/08/24	08/13/24	
Toluene	0.215	0.0250	1	08/08/24	08/13/24	
o-Xylene	0.0269	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	0.0676	0.0500	1	08/08/24	08/13/24	
Total Xylenes	0.0945	0.0250	1	08/08/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID	88.3 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432092
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432087
Diesel Range Organics (C10-C28)	27.8	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	96.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432110
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S6 - 8'

E408070-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432092
Benzene	ND	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/13/24	
Toluene	ND	0.0250	1	08/08/24	08/13/24	
o-Xylene	ND	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432092
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432087
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432110
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S7 - 6"

E408070-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	1.25	50	08/08/24	08/13/24	
Ethylbenzene	7.39	1.25	50	08/08/24	08/13/24	
Toluene	5.38	1.25	50	08/08/24	08/13/24	
o-Xylene	4.86	1.25	50	08/08/24	08/13/24	
p,m-Xylene	11.1	2.50	50	08/08/24	08/13/24	
Total Xylenes	16.0	1.25	50	08/08/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	1000	50	08/08/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	18500	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	5800	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane	178 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	401	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S7 - 4'

E408070-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0500	2	08/08/24	08/13/24	
Ethylbenzene	0.0651	0.0500	2	08/08/24	08/13/24	
Toluene	ND	0.0500	2	08/08/24	08/13/24	
o-Xylene	0.0505	0.0500	2	08/08/24	08/13/24	
p,m-Xylene	0.103	0.100	2	08/08/24	08/13/24	
Total Xylenes	0.153	0.0500	2	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	40.0	2	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	1120	50.0	2	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	380	100	2	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	108	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S7 - 6'

E408070-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/13/24	
Toluene	0.0494	0.0250	1	08/08/24	08/13/24	
o-Xylene	ND	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	32.5	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	184 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S7 - 8'

E408070-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/13/24	
Toluene	0.0363	0.0250	1	08/08/24	08/13/24	
o-Xylene	ND	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	85.5 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S8 - 6"

E408070-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	0.671	0.500	20	08/08/24	08/13/24	
Ethylbenzene	7.63	0.500	20	08/08/24	08/13/24	
Toluene	5.93	0.500	20	08/08/24	08/13/24	
o-Xylene	5.19	0.500	20	08/08/24	08/13/24	
p,m-Xylene	13.1	1.00	20	08/08/24	08/13/24	
Total Xylenes	18.3	0.500	20	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	400	20	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	13700	125	5	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	4550	250	5	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	138 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	442	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S8 - 4'

E408070-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0500	2	08/08/24	08/13/24	
Ethylbenzene	ND	0.0500	2	08/08/24	08/13/24	
Toluene	ND	0.0500	2	08/08/24	08/13/24	
o-Xylene	ND	0.0500	2	08/08/24	08/13/24	
p,m-Xylene	ND	0.100	2	08/08/24	08/13/24	
Total Xylenes	ND	0.0500	2	08/08/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	40.0	2	08/08/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	643	50.0	2	08/08/24	08/12/24	
Oil Range Organics (C28-C36)	214	100	2	08/08/24	08/12/24	
Surrogate: n-Nonane	98.7 %	50-200		08/08/24	08/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	89.9	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S8 - 6'

E408070-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/13/24	
Toluene	0.0634	0.0250	1	08/08/24	08/13/24	
o-Xylene	ND	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	31.9	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	90.0 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S8 - 8'

E408070-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/13/24	
Ethylbenzene	0.0286	0.0250	1	08/08/24	08/13/24	
Toluene	0.0726	0.0250	1	08/08/24	08/13/24	
o-Xylene	ND	0.0250	1	08/08/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	94.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S9 - 6"

E408070-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	0.791	0.250	10	08/08/24	08/13/24	
Ethylbenzene	10.0	0.250	10	08/08/24	08/13/24	
Toluene	7.69	0.250	10	08/08/24	08/13/24	
o-Xylene	6.60	0.250	10	08/08/24	08/13/24	
p,m-Xylene	16.0	0.500	10	08/08/24	08/13/24	
Total Xylenes	22.6	0.250	10	08/08/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	371	200	10	08/08/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	16500	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	5190	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane	173 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	460	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S9 - 4'

E408070-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.125	5	08/08/24	08/13/24	
Ethylbenzene	0.129	0.125	5	08/08/24	08/13/24	
Toluene	ND	0.125	5	08/08/24	08/13/24	
o-Xylene	ND	0.125	5	08/08/24	08/13/24	
p,m-Xylene	ND	0.250	5	08/08/24	08/13/24	
Total Xylenes	ND	0.125	5	08/08/24	08/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	100	5	08/08/24	08/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		08/08/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	538	50.0	2	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	208	100	2	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	96.1 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	108	20.0	1	08/08/24	08/08/24	

Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S9 - 6'

E408070-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0437	0.0250	1	08/08/24	08/14/24	
Toluene	0.0988	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	32.7	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	93.2 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S9 - 8'

E408070-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/14/24	
Toluene	0.0371	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	86.6 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S10 - 6"

E408070-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	0.784	0.125	5	08/08/24	08/14/24	
Ethylbenzene	8.94	0.125	5	08/08/24	08/14/24	
Toluene	7.45	0.125	5	08/08/24	08/14/24	
o-Xylene	5.80	0.125	5	08/08/24	08/14/24	
p,m-Xylene	13.8	0.250	5	08/08/24	08/14/24	
Total Xylenes	19.6	0.125	5	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	304	100	5	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.6 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	15300	500	20	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	5340	1000	20	08/08/24	08/10/24	
Surrogate: n-Nonane	159 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	467	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 1:20:52PM

S10 - 4'

E408070-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0539	0.0250	1	08/08/24	08/14/24	
Toluene	0.0335	0.0250	1	08/08/24	08/14/24	
o-Xylene	0.0560	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	0.0668	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.123	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	654	50.0	2	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	256	100	2	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	97.9	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 1:20:52PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S10 - 6'

E408070-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0528	0.0250	1	08/08/24	08/14/24	
Toluene	0.0757	0.0250	1	08/08/24	08/14/24	
o-Xylene	0.0356	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	0.0356	0.0250	1	08/08/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	34.3	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	94.4 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 1:20:52PM
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S10 - 8'

E408070-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Benzene	ND	0.0250	1	08/08/24	08/14/24	
Ethylbenzene	0.0254	0.0250	1	08/08/24	08/14/24	
Toluene	0.0756	0.0250	1	08/08/24	08/14/24	
o-Xylene	ND	0.0250	1	08/08/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		08/08/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2432087	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432110	
Chloride	ND	20.0	1	08/08/24	08/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 1:20:52PM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2432092-BLK1) Prepared: 08/08/24 Analyzed: 08/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.4	70-130			

LCS (2432092-BS1) Prepared: 08/08/24 Analyzed: 08/13/24

Benzene	4.99	0.0250	5.00		99.8	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
Toluene	4.90	0.0250	5.00		98.0	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			

Matrix Spike (2432092-MS1) Source: E408070-11 Prepared: 08/08/24 Analyzed: 08/13/24

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133			
Toluene	5.12	0.0250	5.00	0.0634	101	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2432092-MSD1) Source: E408070-11 Prepared: 08/08/24 Analyzed: 08/13/24

Benzene	4.95	0.0250	5.00	ND	98.9	54-133	4.38	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133	3.96	20	
Toluene	4.90	0.0250	5.00	0.0634	96.8	61-130	4.36	20	
o-Xylene	4.73	0.0250	5.00	ND	94.7	63-131	4.29	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	3.88	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	4.02	20	
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.2	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 1:20:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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 (2432092-BLK1) Prepared: 08/08/24 Analyzed: 08/13/24

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

LCS (2432092-BS2) Prepared: 08/08/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2432092-MS2) Source: E408070-11 Prepared: 08/08/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike Dup (2432092-MSD2) Source: E408070-11 Prepared: 08/08/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.5	70-130	0.384	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 1:20:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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 (2432087-BLK1) Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2432087-BS1) Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	264	25.0	250		106	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2432087-MS1) Source: E408070-07 Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	282	25.0	250	32.5	99.8	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

Matrix Spike Dup (2432087-MSD1) Source: E408070-07 Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	265	25.0	250	32.5	93.1	38-132	6.09	20	
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 1:20:52PM

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 (2432110-BLK1)					Prepared: 08/08/24 Analyzed: 08/08/24				
Chloride	ND	20.0							
LCS (2432110-BS1)					Prepared: 08/08/24 Analyzed: 08/08/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2432110-MS1)					Source: E408070-04		Prepared: 08/08/24 Analyzed: 08/08/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2432110-MSD1)					Source: E408070-04		Prepared: 08/08/24 Analyzed: 08/08/24		
Chloride	255	20.0	250	ND	102	80-120	0.124	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:	Maracas 22 State Tank Battery	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/14/24 13:20

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- 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 3 of 6

Client: Pima Environmental Services Project: Maracas 22 State Tank Battery Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:				Bill To Attention: Spr Address: City, State, Zip: Phone: Email: Pima Project # 6-334				Lab Use Only Lab WO# E408070 Job Number 21068-0001				TAT 1D 2D 3D Standard X				EPA Program CWA SDWA	
Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										RCRA NM CO UT AZ TX							
State NM CO UT AZ TX										Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX				
11:25	8/6	S		S6-6"	1							X					
11:29				S6-4'	2												
11:32				S6-6'	3												
11:42				S6-8'	4												
11:49				S7-6"	5												
11:53				S7-4'	6												
11:54				S7-6'	7												
12:11				S7-8'	8												
12:17				S8-6"	9												
12:23				S8-4'	10												

Additional Instructions: Billing 7010-7410

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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Karime Adame	8/7/24	1345	Michelle Gonzales	8-7-24	1345	
Michelle Gonzales	8-7-24	1550	Camden Briggs	8-7-24	17:10	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Camden Briggs	8-8-24	0002	Sto	8-8-24	0830	

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 4 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: <u>Maracas 22 State Tank Battery</u>					Attention: <u>Spur</u>		Lab WO# <u>E408070</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Gio Gomez</u>					Address:												
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA		
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:												
Phone: <u>806-782-1151</u>					Email:												
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>												
Report due by:																	
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	
12:29	8/6	S		S8-6'	11									X			
12:33				S8-8'	12												
12:39				S9-6"	13												
12:42				S9-4' K.A S9-4'	14												
12:51				S9-6'	15												
1:12				S9-8'	16												
1:23				S10-6"	17												
1:29				S10-4'	18												
1:30				S10-6'	19												
1:39				S10-8'	20												
Additional Instructions: <u>Billing 7010-7410</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 Adame</u>					Date <u>8/7/24</u>		Time <u>1345</u>		Received by: (Signature) <u>Michelle Gonzales</u>					Date <u>8-7-24</u>		Time <u>1345</u>	
Relinquished by: (Signature) <u>Michelle Gonzales</u>					Date <u>8-7-24</u>		Time <u>1550</u>		Received by: (Signature) <u>Candice Briggs</u>					Date <u>8-7-24</u>		Time <u>17:10</u>	
Relinquished by: (Signature) <u>Candice Briggs</u>					Date <u>8-8-24</u>		Time <u>0012</u>		Received by: (Signature) <u>Sto</u>					Date <u>8-8-24</u>		Time <u>0830</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: 8/8/2024 12:35:26PM

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:	08/08/24 08:30	Work Order ID:	E408070
Phone:	(575) 631-6977	Date Logged In:	08/07/24 16:06	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	08/14/24 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? No
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

Maracas 22 State Tank Battery has been separated into multiple reports due to high sample volume. WO are E408069-E408071. No. of Containers and Sampled by name are missing on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



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Project Information

Chain of Custody

Page 3 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program									
Project: <u>Maracas 22 State Tank Battery</u>					Attention: <u>3pr</u>		Lab WO# <u>E408070</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: <u>Gio Gomez</u>					Address:		Analysis and Method										RCRA							
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip												State							
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		Remarks	
Phone: <u>806-782-1151</u>					Email:																			
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			
11:25	8/6	S		S6-6"	1																			
11:29				S6-4'	2																			
11:32				S6-6'	3																			
11:42				S6-8'	4																			
11:49				S7-6"	5																			
11:53				S7-4'	6																			
11:54				S7-6'	7																			
12:11				S7-8'	8																			
12:17				S8-6"	9																			
12:23				S8-4'	10																			
Additional Instructions: <u>Billing 7010-7410 99123 Added per Sebastian 8/13/24 RA</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.																								
Sampled by:																								
Relinquished by: (Signature) <u>Karime Adame</u>					Date <u>8/7/24</u> Time <u>1345</u>					Received by: (Signature) <u>Michelle Gonzales</u>					Date <u>8-7-24</u> Time <u>1345</u>					Lab Use Only				
Relinquished by: (Signature) <u>Michelle Gonzales</u>					Date <u>8-7-24</u> Time <u>1550</u>					Received by: (Signature) <u>Camden Briggs</u>					Date <u>8-7-24</u> Time <u>17:10</u>					Received on ice: <input checked="" type="checkbox"/> N				
Relinquished by: (Signature) <u>Camden Briggs</u>					Date <u>8-8-24</u> Time <u>0002</u>					Received by: (Signature) <u>Sto</u>					Date <u>8-8-24</u> Time <u>0830</u>					T1 _____ T2 _____ T3 _____				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								


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Project Information

Chain of Custody

Page 4 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Maracas 22 Stake Tank Battery</u>					Attention: <u>Spur</u>		Lab WO# <u>E408070</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:											
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State	
															NM	CO
															UT	AZ
															TX	
															Remarks	
12:29	8/6	S		S8-6'	11								X			
12:33				S8-8'	12											
12:39				S9-6"	13											
12:42				S9-4' K.A S9-4'	14											
12:51				S9-6'	15											
1:12				S9-8'	16											
1:23				S10-6"	17											
1:29				S10-4'	18											
1:30				S10-6'	19											
1:39				S10-8'	20											
Additional Instructions: <u>Billing 7010-7410 99123 Added per Sebastian 8/13/24 RAB</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.																
Sampled by:																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only				
<u>Karine Adame</u>		<u>8/7/24</u>		<u>1345</u>		<u>Michelle Gonzales</u>		<u>8-7-24</u>		<u>1345</u>		Received on ice: <u>(Y)</u> N				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3				
<u>Michelle Gonzales</u>		<u>8-7-24</u>		<u>1550</u>		<u>Candice Briggs</u>		<u>8-7-24</u>		<u>17:10</u>						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C				
<u>Candice Briggs</u>		<u>8-8-24</u>		<u>0012</u>		<u>Sto</u>		<u>8-8-24</u>		<u>0830</u>		<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.																


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Report to:
Gio Gomez



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Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maracas 22 State Tank Battery

Work Order: E408071

Job Number: 21068-0001

Received: 8/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/14/24

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: 8/14/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Maracas 22 State Tank Battery
Workorder: E408071
Date Received: 8/8/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2024 8:30:00AM, under the Project Name: Maracas 22 State Tank Battery.

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

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

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

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

Respectfully,

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 08/14/24 09:26
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 - 6"	E408071-01A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW1 - 4'	E408071-02A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW2 - 6"	E408071-03A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW2 - 4'	E408071-04A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW3 - 6"	E408071-05A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW3 - 4'	E408071-06A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW4 - 6"	E408071-07A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW4 - 4'	E408071-08A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW5 - 6"	E408071-09A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW5 - 4'	E408071-10A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW6 - 6"	E408071-11A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW6 - 4'	E408071-12A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW7 - 6"	E408071-13A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW7 - 4'	E408071-14A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW8 - 6"	E408071-15A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW8 - 4'	E408071-16A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW9 - 6"	E408071-17A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW9 - 4'	E408071-18A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW10 - 6"	E408071-19A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW10 - 4'	E408071-20A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW1 - 6"

E408071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0260	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	40.0	2	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 9:26:53AM

SW1 - 4'

E408071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 9:26:53AM

SW2 - 6"

E408071-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432093
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0484	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2432093
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432086
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432081
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 9:26:53AM

SW2 - 4'

E408071-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0415	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW3 - 6"

E408071-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0366	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW3 - 4'

E408071-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0283	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.9 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW4 - 6"

E408071-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0702	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID	89.2 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	114 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW4 - 4'

E408071-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	0.0565	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.4 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	102 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW5 - 6"

E408071-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
8/14/2024 9:26:53AM

SW5 - 4'

E408071-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW6 - 6"

E408071-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW6 - 4'

E408071-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	0.0347	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW7 - 6"

E408071-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	105 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW7 - 4'

E408071-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW8 - 6"

E408071-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW8 - 4'

E408071-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.4 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	112 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW9 - 6"

E408071-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	106 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW9 - 4'

E408071-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	111 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 8/14/2024 9:26:53AM
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SW10 - 6"
E408071-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 8/14/2024 9:26:53AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW10 - 4'

E408071-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Benzene	ND	0.0250	1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/10/24	
Toluene	ND	0.0250	1	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/10/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2432093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/10/24	
Surrogate: n-Nonane	106 %	50-200		08/08/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432081	
Chloride	ND	20.0	1	08/08/24	08/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 9:26:53AM

Volatile Organics by EPA 8021B

Analyst: CG

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 (2432093-BLK1)

Prepared: 08/08/24 Analyzed: 08/09/24

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: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			

LCS (2432093-BS1)

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	4.47	0.0250	5.00		89.4	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.48	0.0250	5.00		89.5	70-130			
o-Xylene	4.40	0.0250	5.00		87.9	70-130			
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130			
Total Xylenes	13.4	0.0250	15.0		89.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

Matrix Spike (2432093-MS1)

Source: E408071-08

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	4.13	0.0250	5.00	ND	82.6	54-133			
Ethylbenzene	4.09	0.0250	5.00	ND	81.8	61-133			
Toluene	4.18	0.0250	5.00	0.0565	82.4	61-130			
o-Xylene	4.07	0.0250	5.00	ND	81.4	63-131			
p,m-Xylene	8.30	0.0500	10.0	ND	83.0	63-131			
Total Xylenes	12.4	0.0250	15.0	ND	82.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			

Matrix Spike Dup (2432093-MSD1)

Source: E408071-08

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	4.56	0.0250	5.00	ND	91.2	54-133	9.85	20	
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	61-133	9.87	20	
Toluene	4.61	0.0250	5.00	0.0565	91.0	61-130	9.84	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	10.1	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	9.81	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.1	63-131	9.90	20	
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 9:26:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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 (2432093-BLK1) Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

LCS (2432093-BS2) Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2432093-MS2) Source: E408071-08 Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2432093-MSD2) Source: E408071-08 Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	37.0	20.0	50.0	ND	74.1	70-130	12.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 9:26:53AM

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 (2432086-BLK1) Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2432086-BS1) Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike (2432086-MS1) Source: E408071-08 Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	58.0		50.0		116	50-200			

Matrix Spike Dup (2432086-MSD1) Source: E408071-08 Prepared: 08/08/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	1.94	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/14/2024 9:26:53AM

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 (2432081-BLK1)					Prepared: 08/08/24 Analyzed: 08/09/24				
Chloride	ND	20.0							
LCS (2432081-BS1)					Prepared: 08/08/24 Analyzed: 08/09/24				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2432081-MS1)					Source: E408071-06		Prepared: 08/08/24 Analyzed: 08/09/24		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2432081-MSD1)					Source: E408071-06		Prepared: 08/08/24 Analyzed: 08/09/24		
Chloride	254	20.0	250	ND	101	80-120	0.208	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:	Maracas 22 State Tank Battery	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/14/24 09:26

- 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 5 of 6

Client: Pima Environmental Services				Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Maracas 22 State Tank Battery</u>				Attention: <u>Spur</u>		Lab WO# <u>E408071</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>				Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>				City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone:											
Phone: <u>806-782-1151</u>				Email:											
Email: <u>gio@pimaoil.com</u>				Pima Project # <u>6-334</u>											
Report due by:															
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	BDOC NM	BDOC TX	Remarks	
1:43	8/6	S		SW1-6"	1							X			
1:49				SW1-4'	2										
1:52				SW2-6"	3										
1:56				SW2-4'	4										
2:16				SW3-6"	5										
2:23				SW3-4'	6										
2:31				SW4-6"	7										
2:39				SW4-4'	8										
2:42				SW5-6"	9										
2:56				SW5-4"	10										
Additional Instructions: <u>Billing 7010-7410</u>															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>Casimiro Adame</u>		<u>8/7/24</u>	<u>1345</u>	<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1345</u>	Received on ice: <u>Y</u> / N							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3							
<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1550</u>	<u>Camden Briggs</u>		<u>8-7-24</u>	<u>1710</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>							
<u>Camden Briggs</u>		<u>8-8-24</u>	<u>0012</u>	<u>[Signature]</u>		<u>8-8-24</u>	<u>0830</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 6 of 6

Client: Pima Environmental Services Project: Maracas 225 tank Battery Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Spor Address: City, State, Zip: Phone: Email: Pima Project # 6-334					Lab Use Only Lab WO# E408071 Job Number 21068-0001					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					RCRA NM CO UT AZ TX					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
3:11	8/6	S		SW6-6"	11															
3:17				SW6-4'	12															
3:24				SW7-6"	13															
3:36				SW7-4'	14															
3:42				SW8-6"	15															
3:49				SW8-4'	16															
3:51				SW9-6"	17															
3:56				SW9-4'	18															
4:11				SW10-6"	19															
4:17				SW10-4'	20															
Additional Instructions: Billing #																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N												
Karime Adams		8/7/24	1345	Michelle Gonzales		8-7-24	1345													
Michelle Gonzales		8-7-24	1550	Candice Briggs		8-7-24	1710	T1 T2 T3												
Candice Briggs		8-8-24	0812	Spor		8-8-24	0830	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: 8/8/2024 12:45:20PM

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:	08/08/24 08:30	Work Order ID:	E408071
Phone:	(575) 631-6977	Date Logged In:	08/07/24 16:08	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	08/14/24 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? No
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

Maracas 22 State Tank Battery has been separated into multiple reports due to high sample volume. WO are E408069-E408071. No. of Containers and Sampled by name are missing on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 5 of 6

Client: Pima Environmental Services Project: <u>Maracas 22 State Tank Battery</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:				Bill To Attention: <u>Spur</u> Address: City, State, Zip Phone: Email: Pima Project # <u>6-334</u>		Lab Use Only Lab WO# <u>E408071</u> Job Number <u>21068-0001</u> Analysis and Method		TAT 1D 2D 3D Standard <u>X</u>		EPA Program CWA SDWA RCRA						
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	State NM CO UT AZ TX	Remarks
1:43		8/6	3		SW1-6"	1							X			
1:49					SW1-4'	2										
1:52					SW2-6"	3										
1:56					SW2-4'	4										
2:16					SW3-6"	5										
2:23					SW3-4'	6										
2:31					SW4-6"	7										
2:39					SW4-4'	8										
2:42					SW5-6"	9										
2:56					SW5-4"	10										
Additional Instructions: <u>Billing 7010-7410 99123 added per sebastian 8/13/24 - RAS</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.																
Relinquished by: (Signature) <u>Casimiro Adams</u> Date <u>8/7/24</u> Time <u>1345</u> Received by: (Signature) <u>Michelle Gonzalez</u> Date <u>8-7-24</u> Time <u>1345</u>																
Relinquished by: (Signature) <u>Michelle Gonzalez</u> Date <u>8-7-24</u> Time <u>1550</u> Received by: (Signature) <u>Candace Briggs</u> Date <u>8-7-24</u> Time <u>1710</u>																
Relinquished by: (Signature) <u>Candace Briggs</u> Date <u>8-8-24</u> Time <u>0012</u> Received by: (Signature) <u>[Signature]</u> Date <u>8-8-24</u> Time <u>0830</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.																


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Project Information

Chain of Custody

Page 6 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Maracas 225 tank Tank Battery</u>					Attention: <u>Spur</u>		Lab WO# <u>E408071</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:											
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-334</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	TX	Remarks
3:11	8/6	S		SW6-6"	11									X		
3:17				SW6-4'	12											
3:24				SW7-6"	13											
3:36				SW7-4'	14											
3:42				SW8-6"	15											
3:49				SW8-4'	16											
3:51				SW9-6"	17											
3:56				SW9-4'	18											
4:11				SW10-6"	19											
4:17				SW10-4'	20											
Additional Instructions: <u>Billing # 7010-7410 99123 Added per Sebastian 8/13/24 KAS</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karime Adame</u>		<u>8/7/24</u>	<u>1345</u>	<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1345</u>	Received on ice: <u>(Y)</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3				
<u>Michelle Gonzales</u>		<u>8-7-24</u>	<u>1550</u>	<u>Candice Briggs</u>		<u>8-7-24</u>	<u>1710</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
<u>Candice Briggs</u>		<u>8-8-24</u>	<u>0012</u>	<u>Sto</u>		<u>8-8-24</u>	<u>0830</u>	<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.																


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Report to:
Gio Gomez



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Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maracas 22 State Tank Battery

Work Order: E411249

Job Number: 21068-0001

Received: 11/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/26/24

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: 11/26/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Maracas 22 State Tank Battery
Workorder: E411249
Date Received: 11/23/2024 9:15:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2024 9:15:00AM, under the Project Name: Maracas 22 State Tank Battery.

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

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

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

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

Respectfully,

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Cell: 775-287-1762
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/24 09:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E411249-01A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS2	E411249-02A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS3	E411249-03A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS4	E411249-04A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS5	E411249-05A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS6	E411249-06A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS7	E411249-07A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS8	E411249-08A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS9	E411249-09A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CS10	E411249-10A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW1	E411249-11A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW2	E411249-12A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW3	E411249-13A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW4	E411249-14A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW5	E411249-15A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW6	E411249-16A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW7	E411249-17A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW8	E411249-18A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW9	E411249-19A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW10	E411249-20A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW11	E411249-21A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW12	E411249-22A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW13	E411249-23A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW14	E411249-24A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.
CSW15	E411249-25A	Soil	11/21/24	11/23/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maracas 22 State Tank Battery Project Number: 21068-0001 Project Manager: Gio Gomez	Reported: 11/26/2024 9:33:25AM
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CS1
E411249-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.6 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	117 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	96.9	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2

E411249-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	67.2	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3

E411249-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	88.7 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.6 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	122 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	23.8	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4

E411249-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	88.0 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	112 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	97.1	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS5

E411249-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.9 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	120 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	83.0	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CS6

E411249-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447129
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447129
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448001
Chloride	21.4	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CS7

E411249-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.3 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
<i>Surrogate: n-Nonane</i>	118 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	70.4	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS8

E411249-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	85.5 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	118 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	20.9	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS9

E411249-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.5 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	113 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	102	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS10

E411249-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.4 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/23/24	
Surrogate: n-Nonane	116 %	50-200		11/23/24	11/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	21.4	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1

E411249-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.5 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	124 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW2

E411249-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID	87.0 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.4 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	111 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3

E411249-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CSW4

E411249-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447129
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.0 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447129
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448001
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CSW5

E411249-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/23/24	
Toluene	ND	0.0250	1	11/23/24	11/23/24	
o-Xylene	ND	0.0250	1	11/23/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		11/23/24	11/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW6

E411249-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
Surrogate: 4-Bromochlorobenzene-PID	86.3 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.6 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	114 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW7

E411249-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW8

E411249-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW9

E411249-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW10
E411249-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
Surrogate: 4-Bromochlorobenzene-PID	84.9 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447129	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.0 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	118 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448001	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CSW11

E411249-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.3 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2447128	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2448003	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CSW12

E411249-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447131
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2447131
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2448003
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW13
E411249-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
Surrogate: 4-Bromochlorobenzene-PID	85.8 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.0 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447128	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	105 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448003	
Chloride	ND	20.0	1	11/25/24	11/25/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported: 11/26/2024 9:33:25AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW14
E411249-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
Surrogate: 4-Bromochlorobenzene-PID	86.1 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.4 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447128	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane	106 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448003	
Chloride	ND	20.0	1	11/25/24	11/25/24	



Sample Data

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

Project Name: Maracas 22 State Tank Battery
Project Number: 21068-0001
Project Manager: Gio Gomez

Reported:
11/26/2024 9:33:25AM

CSW15

E411249-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
Toluene	ND	0.0250	1	11/23/24	11/24/24	
o-Xylene	ND	0.0250	1	11/23/24	11/24/24	
p,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.1 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2447131	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.8 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2447128	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
<i>Surrogate: n-Nonane</i>	105 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2448003	
Chloride	ND	20.0	1	11/25/24	11/25/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2447129-BLK1) Prepared: 11/23/24 Analyzed: 11/23/24

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	6.80		8.00		85.0	70-130			

LCS (2447129-BS1) Prepared: 11/23/24 Analyzed: 11/23/24

Benzene	4.12	0.0250	5.00		82.5	70-130			
Ethylbenzene	3.93	0.0250	5.00		78.5	70-130			
Toluene	4.04	0.0250	5.00		80.7	70-130			
o-Xylene	3.92	0.0250	5.00		78.3	70-130			
p,m-Xylene	7.99	0.0500	10.0		79.9	70-130			
Total Xylenes	11.9	0.0250	15.0		79.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			

LCS Dup (2447129-BS1) Prepared: 11/23/24 Analyzed: 11/23/24

Benzene	4.72	0.0250	5.00		94.5	70-130	13.6	20	
Ethylbenzene	4.74	0.0250	5.00		94.8	70-130	18.8	20	
Toluene	4.78	0.0250	5.00		95.7	70-130	16.9	20	
o-Xylene	4.74	0.0250	5.00		94.8	70-130	19.1	20	
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130	18.8	20	
Total Xylenes	14.4	0.0250	15.0		96.0	70-130	18.9	20	
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2447131-BLK1) Prepared: 11/23/24 Analyzed: 11/24/24

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	6.76		8.00		84.5	70-130			

LCS (2447131-BS1) Prepared: 11/23/24 Analyzed: 11/24/24

Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.5	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.47	0.0250	5.00		89.3	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			

LCS Dup (2447131-BSD1) Prepared: 11/23/24 Analyzed: 11/24/24

Benzene	4.91	0.0250	5.00		98.3	70-130	4.14	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	4.03	20	
Toluene	4.81	0.0250	5.00		96.2	70-130	4.15	20	
o-Xylene	4.65	0.0250	5.00		93.0	70-130	4.03	20	
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130	4.10	20	
Total Xylenes	14.1	0.0250	15.0		94.1	70-130	4.08	20	
Surrogate: 4-Bromochlorobenzene-PID	6.87		8.00		85.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2447129-BLK1) Prepared: 11/23/24 Analyzed: 11/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

LCS (2447129-BS2) Prepared: 11/23/24 Analyzed: 11/23/24

Gasoline Range Organics (C6-C10)	37.1	20.0	50.0		74.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS Dup (2447129-BSD2) Prepared: 11/23/24 Analyzed: 11/23/24

Gasoline Range Organics (C6-C10)	37.7	20.0	50.0		75.4	70-130	1.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2447131-BLK1) Prepared: 11/23/24 Analyzed: 11/24/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2447131-BS2) Prepared: 11/23/24 Analyzed: 11/24/24

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

LCS Dup (2447131-BSD2) Prepared: 11/23/24 Analyzed: 11/24/24

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130	4.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

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 (2447127-BLK1) Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.2		50.0		116	50-200			

LCS (2447127-BS1) Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	58.0		50.0		116	50-200			

LCS Dup (2447127-BSD1) Prepared: 11/23/24 Analyzed: 11/23/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132	1.04	20	
Surrogate: n-Nonane	58.2		50.0		116	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

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 (2447128-BLK1) Prepared: 11/23/24 Analyzed: 11/24/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.0		50.0		102	50-200			

LCS (2447128-BS1) Prepared: 11/23/24 Analyzed: 11/24/24

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS Dup (2447128-BSD1) Prepared: 11/23/24 Analyzed: 11/24/24

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132	4.47	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2448001-BLK1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	ND	20.0							
LCS (2448001-BS1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2448001-BSD1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	266	20.0	250		106	90-110	1.68	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maracas 22 State Tank Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/2024 9:33:25AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2448003-BLK1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	ND	20.0							
LCS (2448003-BS1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2448003-BSD1)					Prepared: 11/25/24 Analyzed: 11/25/24				
Chloride	255	20.0	250		102	90-110	0.425	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:	Maracas 22 State Tank Battery	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/26/24 09:33

- 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 3

Client: Pima Environmental Services Project: <u>Maracas 22 State Tank</u> Project Manager: <u>Glo Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>SPUR</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>6-334</u>					Lab Use Only Lab Work: <u>411249</u> Lab Number: <u>1210080001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks					
7:00	11/21	S		CS1	1							X							
7:09				CS2	2														
7:13				CS3	3														
7:17				CS4	4														
7:25				CS5	5														
7:30				CS6	6														
7:39				CS7	7														
7:49				CS8	8														
7:52				CS9	9														
8:01				CS10	10														
Additional Instructions: <u>Billing# (AFE: 524043)</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. Sampled by: _____ Relinquished by: (Signature) <u>Karime Adams</u> Date <u>11/22/24</u> Time <u>1:50</u> Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>11-22-24</u> Time <u>1615</u> Relinquished by: (Signature) <u>John H.</u> Date <u>11.22.24</u> Time <u>2330</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>11-22-24</u> Time <u>1350</u> Received by: (Signature) <u>John H.</u> Date <u>11.22.24</u> Time <u>1630</u> Received by: (Signature) <u>Caitlin Mars</u> Date <u>11.23.24</u> Time <u>9:15</u> Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: Maricopa 22 State Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Spur Address: City, State, Zip: Phone: Email: Pima Project # 6-334					Lab Use Only Lab Work: 411249 Lab Number: 210080001 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA															
Time Sampled 8:11 8:20 8:28 8:31 8:41 8:47 8:57 9:20 9:28 9:37					Date Sampled 11/21 11/21 11/21 11/21 11/21 11/21 11/21 11/21 11/21 11/21					Matrix S S S S S S S S S S					No. of Containers 1 1 1 1 1 1 1 1 1 1					Sample ID CSW1 CSW2 CSW3 CSW4 CSW5 CSW6 CSW7 CSW8 CSW9 CSW10					Lab Number 11 12 13 14 15 16 17 18 19 20					Remarks X X X X X X X X X X				
Additional Instructions: Billing # (AFE: S24043)																																		
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) Karime Adame					Date 11/22/24					Time 1:50					Received by: (Signature) Michelle Gonzales					Date 11-22-24					Time 1350									
Relinquished by: (Signature) Michelle Gonzales					Date 11-22-24					Time 1615					Received by: (Signature) [Signature]					Date 11.22.24					Time 1630									
Relinquished by: (Signature) [Signature]					Date 11.22.24					Time 2330					Received by: (Signature) Caitlin [Signature]					Date 11.23.24					Time 9:15									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																		

Chain of Custody



Envirotech Analytical Laboratory

Printed: 11/23/2024 10:39:04AM

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:	11/23/24 09:15	Work Order ID:	E411249
Phone:	(575) 631-6977	Date Logged In:	11/22/24 14:37	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	11/25/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

NO. Of containers and sampled by name is missing on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 410635

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410635
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410037551
Incident Name	NAPP2410037551 MARACAS 22 STATE TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MARACAS 22 STATE TANK BATTERY
Date Release Discovered	04/03/2024
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Corrosion Pipeline (Any) Crude Oil Released: 24 BBL Recovered: 22 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	2" CIRCULATING LINE DEVELOPED A PINHOLE DUE TO CORROSION AND RELEASED OIL ONTO THE LOCATION PAD

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QUESTIONS, Page 2

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410635
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/09/2024
--	---

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QUESTIONS, Page 3

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	410635
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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

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

Chloride (EPA 300.0 or SM4500 Cl B)	1990
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30528
GRO+DRO (EPA SW-846 Method 8015M)	24040
BTEX (EPA SW-846 Method 8021B or 8260B)	90.1
Benzene (EPA SW-846 Method 8021B or 8260B)	16.3

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

On what estimated date will the remediation commence	11/14/2024
On what date will (or did) the final sampling or liner inspection occur	11/21/2024
On what date will (or was) the remediation complete(d)	11/24/2024
What is the estimated surface area (in square feet) that will be reclaimed	1950
What is the estimated volume (in cubic yards) that will be reclaimed	435
What is the estimated surface area (in square feet) that will be remediated	1950
What is the estimated volume (in cubic yards) that will be remediated	435

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

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

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QUESTIONS, Page 4

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410635
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/11/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410635
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	410635
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	404536
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2024
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	1950

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1950
What was the total volume (cubic yards) remediated	435
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1950
What was the total volume (in cubic yards) reclaimed	435
Summarize any additional remediation activities not included by answers (above)	SOIL CONTAMINANTS WERE REMOVED IN ACCORDANCE WITH NMOCD CLOSURE CRITERIA

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

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

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 12/11/2024
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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 7

Action 410635

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 410635
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 410635

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/3/2025