



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

June 5<sup>th</sup>, 2023

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

**Re: Site Assessment, Remediation, and Closure Report**  
**Encore M State Battery #002**  
**API No. 30-025-41942**  
**GPS: Latitude 32.3720104 Longitude -103.1871601**  
**UL "N", Sec. 20, T22S, R37E**  
**Lea County, NM**  
**NMOCD Ref. No. nAPP2312143065**

Pima Environmental Services, LLC (Pima) has been contracted by Maverick Permian, LLC to perform a spill assessment, remediation activities, and submit this closure report for a crude oil and produced water release that occurred at the Encore M State Battery #2 (Encore). The initial C-141 was submitted on May 1<sup>st</sup>, 2023 (Appendix C). This incident was assigned Incident ID nAPP2312143065, by the New Mexico Oil Conservation Division (NMOCD).

### Site Characterization

The Encore is located approximately five (5) miles southwest of Eunice, NM. This spill site is in Unit N, Section 20, Township 22S, Range 37E, Latitude 32.3720104, Longitude -103.1871601, Lea County, NM. Figure 1 references a location map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 65 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 60.46 feet BGS. The closest waterway is a salt playa located approximately 8 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (No GW Data)	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**

**nAPP2312143065:** On April 18<sup>th</sup>, 2023, an environmental scrubber filled up, it failed to dump, carried over to flare scrubber, pump failed at scrubber, sent fluid straight to the flare causing a release. Roughly a total of 2.78 barrels of crude oil and 2.78 barrels of produced water. All liquid was recovered via vacuum truck and transported to NMOCD approved landfill.

**Site Assessment and Soil Sampling Results**

On April 26<sup>th</sup> and May 8<sup>th</sup>, 2023, Pima Environmental Services mobilized personnel to the site to conduct delineation activities. Pima collected a total of thirteen soil samples, two bottom samples (S1-S4) to verify vertical delineation, and four side wall samples (SW1-SW4) to verify horizontal delineation. Sample results can be found in the table below. An initial site map can be found in Figure 4.

4-26-2023 and 5-8-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
MAVERICK PERMIAN - ENCORE M STATE BATTERY #002								
Sample Date: 4/26/2023, 5/8/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	6"	ND	ND	ND	ND	ND	0	146
	1'	ND	ND	ND	62.4	ND	62.4	740
	1.5'	ND	ND	ND	ND	ND	0	ND
S-2	6"	ND	ND	ND	505	183	688	682
	1'	ND	ND	ND	ND	ND	0	74.1
S-3	6"	ND	ND	ND	ND	ND	0	62.8
	1'	ND	ND	ND	ND	ND	0	ND
S-4	6"	ND	ND	ND	ND	ND	0	26.9
	1'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND

Nd: Non-Detect

**Remediation Activities**

On May 22<sup>nd</sup>, 2023, Pima mobilized personnel and equipment to conduct remedial activities. We scraped the area overlapping soil samples (S1) to a depth of 2 feet and soil sample (S2) to a depth of 1.5' bgs. Photographic documentation can be found in Appendix D.

On May 24<sup>th</sup>, 2023, after submitting the 48-hour notification (Appendix C), Pima collected confirmation samples. The laboratory results of this sampling event can be found in the following data table. A confirmation site map can be found in Figure 5.

5-24-2023 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
MAVERICK PERMIAN - ENCORE M STATE BATTERY #002								
Sample Date: 5/24/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	2'	ND	ND	ND	ND	ND	0	ND
CS-2	2'	ND	ND	ND	ND	ND	0	ND

CS-3	2'	ND	ND	ND	ND	ND	0	ND
CS-4	1.5'	ND	ND	ND	ND	ND	0	ND
CS-5	1.5'	ND	ND	ND	ND	ND	0	ND
CS-6	1.5'	ND	ND	ND	ND	ND	0	ND
CS-7	1.5'	ND	ND	ND	ND	ND	0	ND
CSW-1	0-2'	ND	ND	ND	ND	ND	0	ND
CSW-2	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW-3	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW-4	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW-5	0-2'	ND	ND	ND	ND	ND	0	30.6
CSW-6	0-2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

### **Closure Request**

After careful review, Pima requests that this incident, nAPP2312143065, be closed. Maverick Permian, LLC has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

*Sebastian Orozco*

Sebastian Orozco  
Environmental Project Manager  
Pima Environmental Services, LLC

### **Attachments**

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map



5-Confirmation Site Map

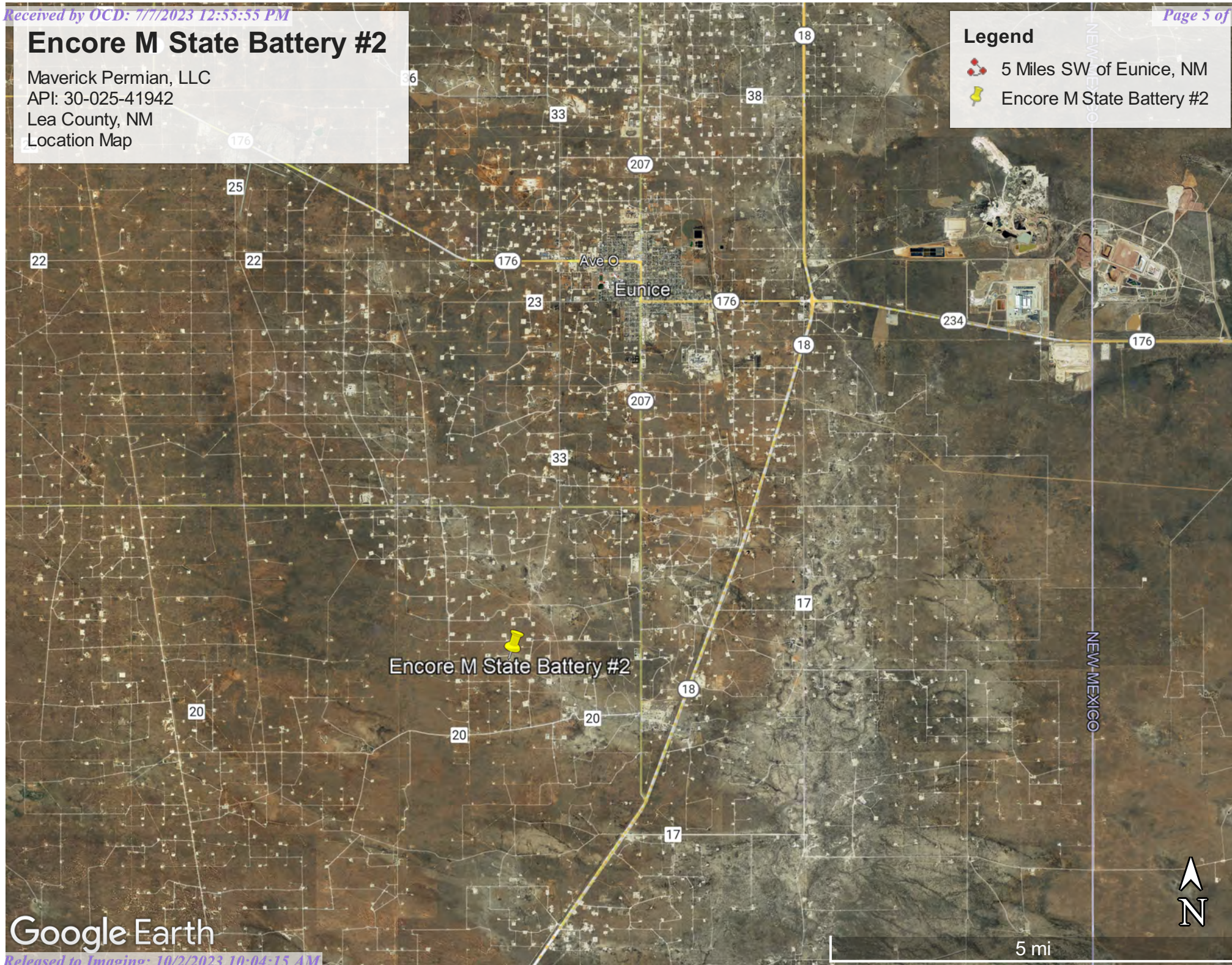


## Encore M State Battery #2

Maverick Permian, LLC  
API: 30-025-41942  
Lea County, NM  
Location Map

### Legend

-  5 Miles SW of Eunice, NM
-  Encore M State Battery #2



Google Earth

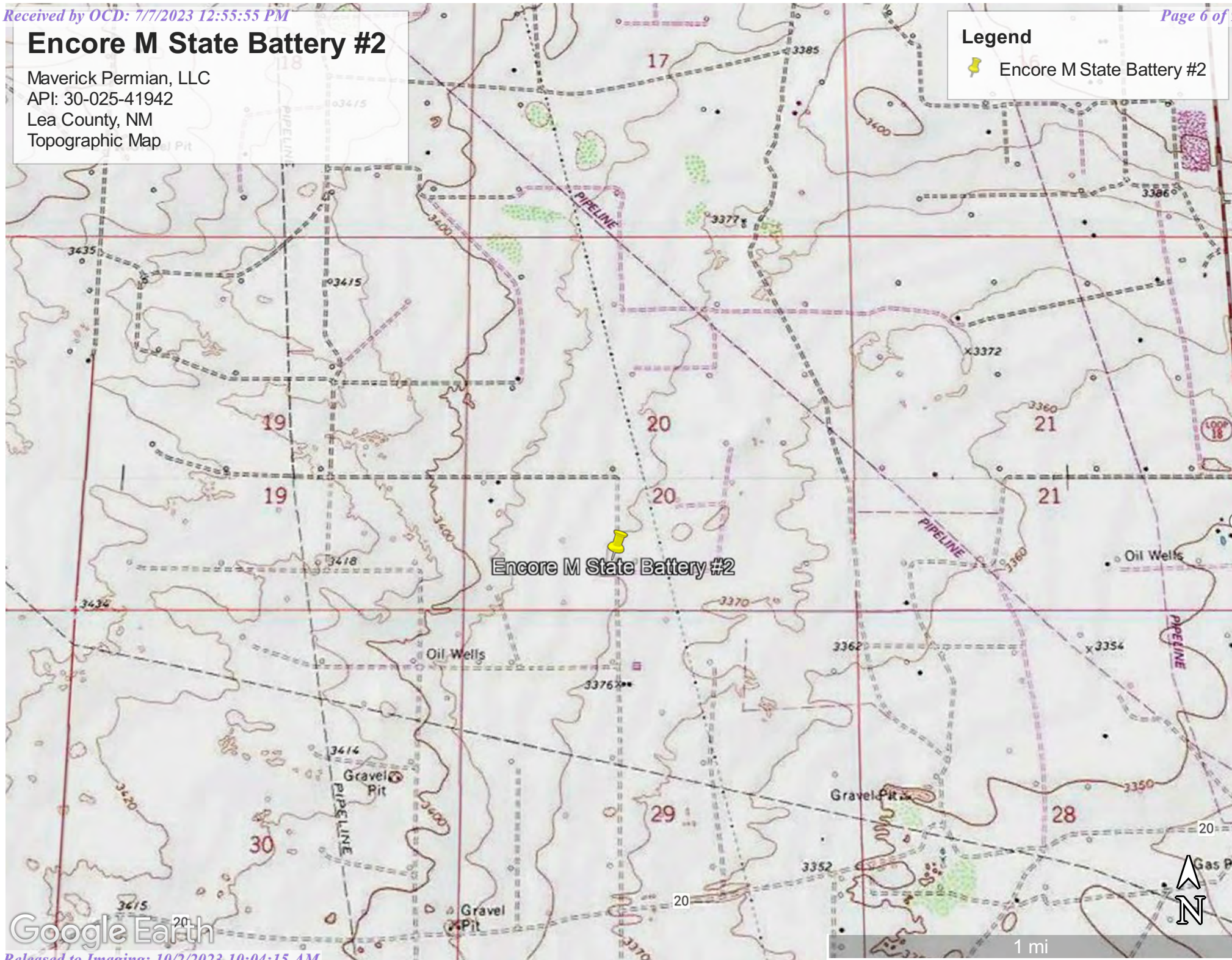


## Encore M State Battery #2

Maverick Permian, LLC  
API: 30-025-41942  
Lea County, NM  
Topographic Map

### Legend

 Encore M State Battery #2



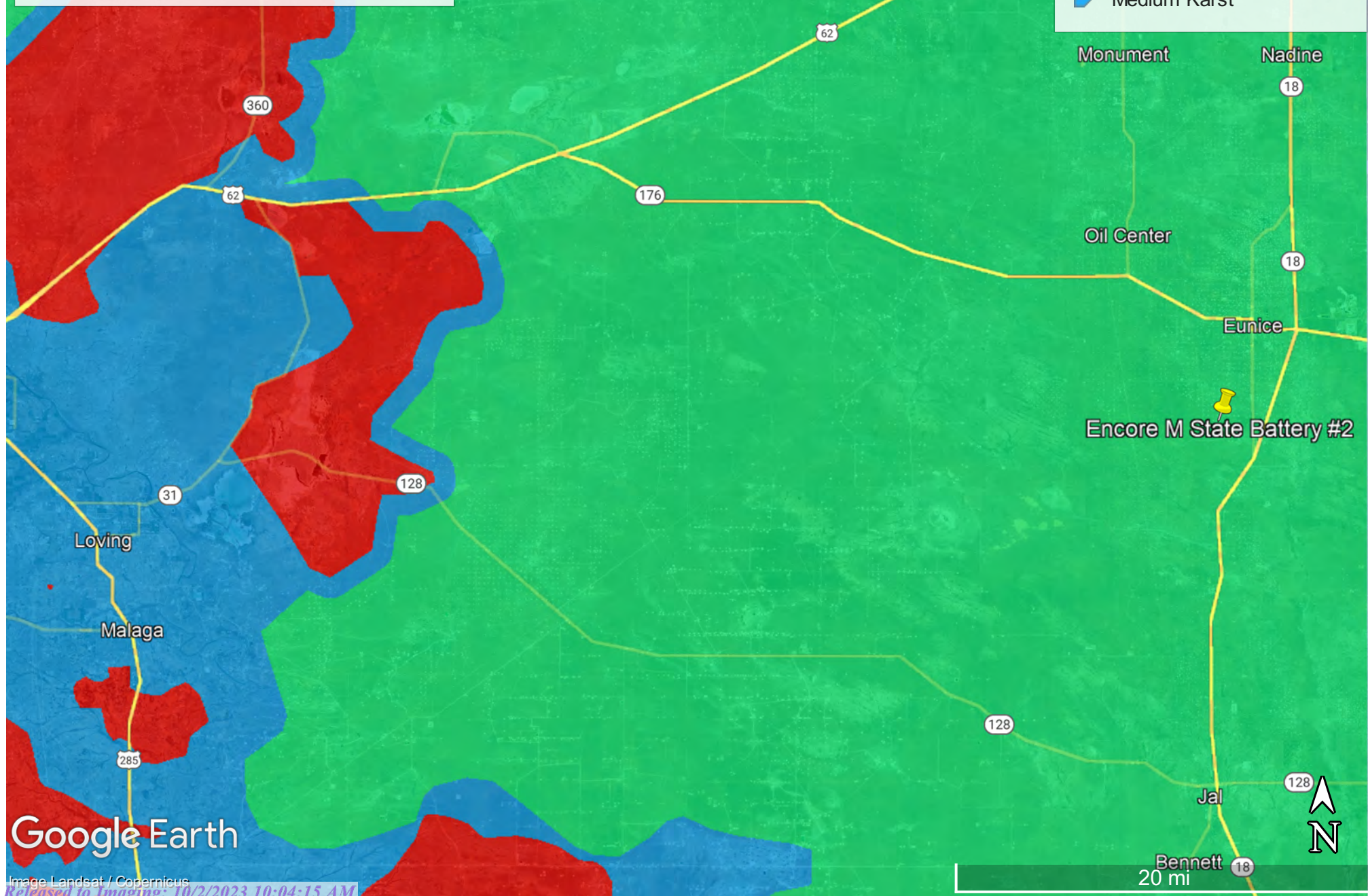


# Encore M State Battery #2

Maverick Permian, LLC  
API: 30-025-41942  
Lea County, NM  
Karst Map

## Legend

-  Encore M State Battery #2
-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Image Landsat / Copernicus

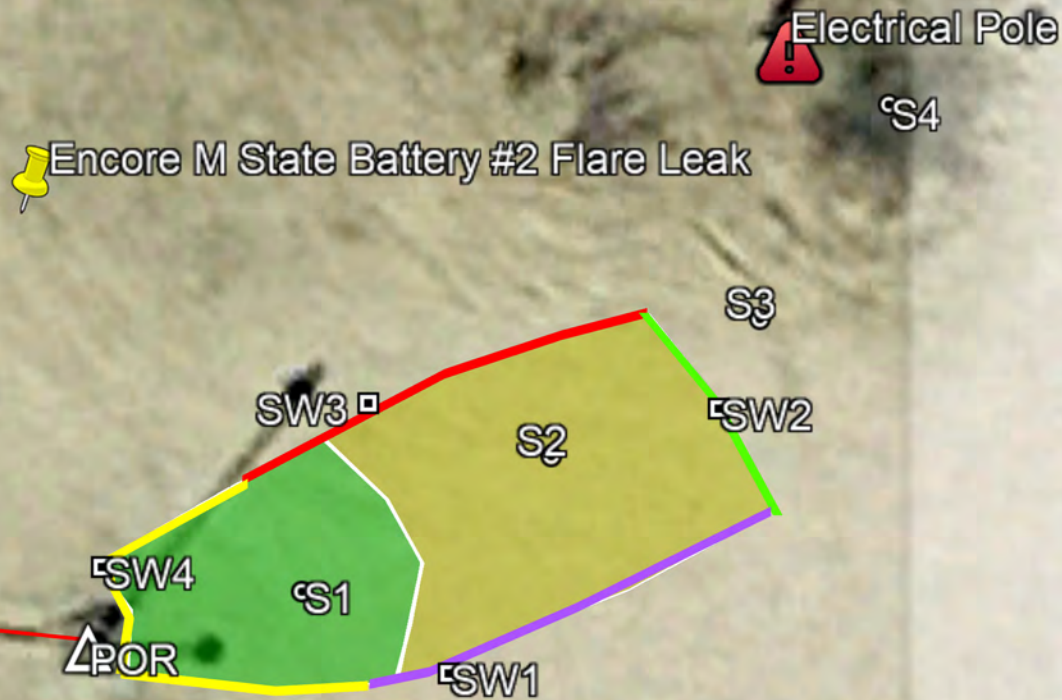


## Encore M State Battery #2

Maverick Permian  
32.3720104,-103.1871601  
nAPP2312143065  
Lea County, NM  
Initial Site Map

### Legend

- 1.5' Excavation
- 2' Excavation
- Electrical Pole
- Encore M State Battery #2 Flare Leak
- Point of Release
- Side Wall Sample
- Soil Sample
- SW1
- SW2
- SW3
- SW4





## Encore M State Battery #2

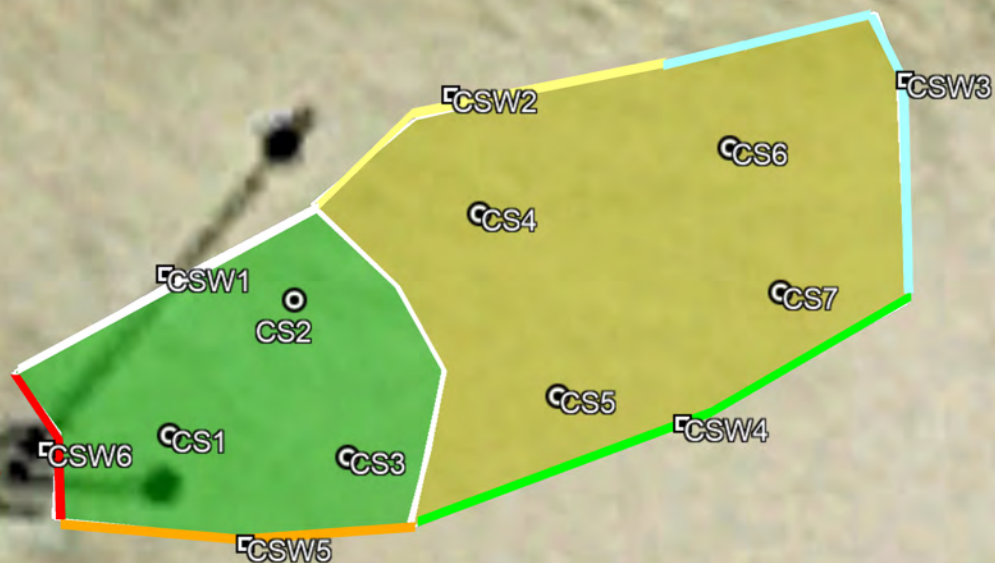
Maverick Permian  
32.3720104,-103.1871601  
nAPP2312143065  
Lea County, NM  
Confirmation Site Map

### Legend

- 1.5' Excavation
- 2' Excavation
- Bottom Confirmation Soil Sample
- CSW1
- CSW2
- CSW3
- CSW4
- CSW5
- CSW6
- Electrical Pole
- Encore M State Battery #2 Flare Leak
- Side Wall Confirmation Soil Sample

Encore M State Battery #2 Flare Leak

Electrical Pole





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">CP 00149 POD1</a>		CP	LE	4	1	29	22S	37E		670568	3582296*	819			
<a href="#">CP 00391 POD1</a>		CP	LE	4	4	4	17	22S	37E	671426	3584623*	1743	96		
<a href="#">CP 00395 POD1</a>		CP	LE	4	2	3	28	22S	37E	672282	3581822*	2161	90		
<a href="#">CP 00503</a>		CP	LE	4	4	21	22S	37E		672965	3583144*	2414	115	65	50
<a href="#">CP 00911</a>		CP	LE	2	4	4	21	22S	37E	673034	3583288	2489	153		
<a href="#">CP 00081 POD1</a>		CP	LE	2	4	4	21	22S	37E	673064	3583243*	2516	120		
<a href="#">CP 01101 POD1</a>		CP	LE	2	4	4	21	22S	37E	673064	3583281	2518	142		
<a href="#">CP 00396 POD1</a>		CP	LE	1	2	4	28	22S	37E	672886	3582037*	2572	100	59	41
<a href="#">CP 00246 POD1</a>		CP	LE	2	3	4	16	22S	37E	672633	3584845*	2706	135		
<a href="#">CP 00257 POD1</a>		CP	LE	3	3	3	22	22S	37E	673266	3583050*	2716	136		
<a href="#">CP 00256 POD1</a>	R	CP	LE	1	3	3	22	22S	37E	673266	3583250*	2718	146		
<a href="#">CP 01657 POD1</a>		CP	LE	2	2	4	28	22S	37E	673077	3582073	2732	123		
<a href="#">CP 00245 POD1</a>		CP	LE	3	4	4	16	22S	37E	672835	3584652*	2752	136		
<a href="#">CP 00243 POD1</a>		CP	LE	3	3	1	27	22S	37E	673281	3582246*	2865	106		
<a href="#">CP 00547</a>		CP	LE	2	2	18	22S	37E		669696	3585901*	2913	200		

Average Depth to Water: **62 feet**

Minimum Depth: **59 feet**

Maximum Depth: **65 feet**

**Record Count:** 15

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 670550.54

**Northing (Y):** 3583115.76

**Radius:** 3000

\*UTM location was derived from PLSS - see Help

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

5/31/23 12:28 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

## Search Results -- 1 sites found

site\_no list =

- 322127103102201

Minimum number of levels = 1

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

## USGS 322127103102201 22S.37E.28.31243

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°21'41", Longitude 103°10'23" NAD27

Land-surface elevation 3,342.50 feet above NGVD29

The depth of the well is 112 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

### Output formats

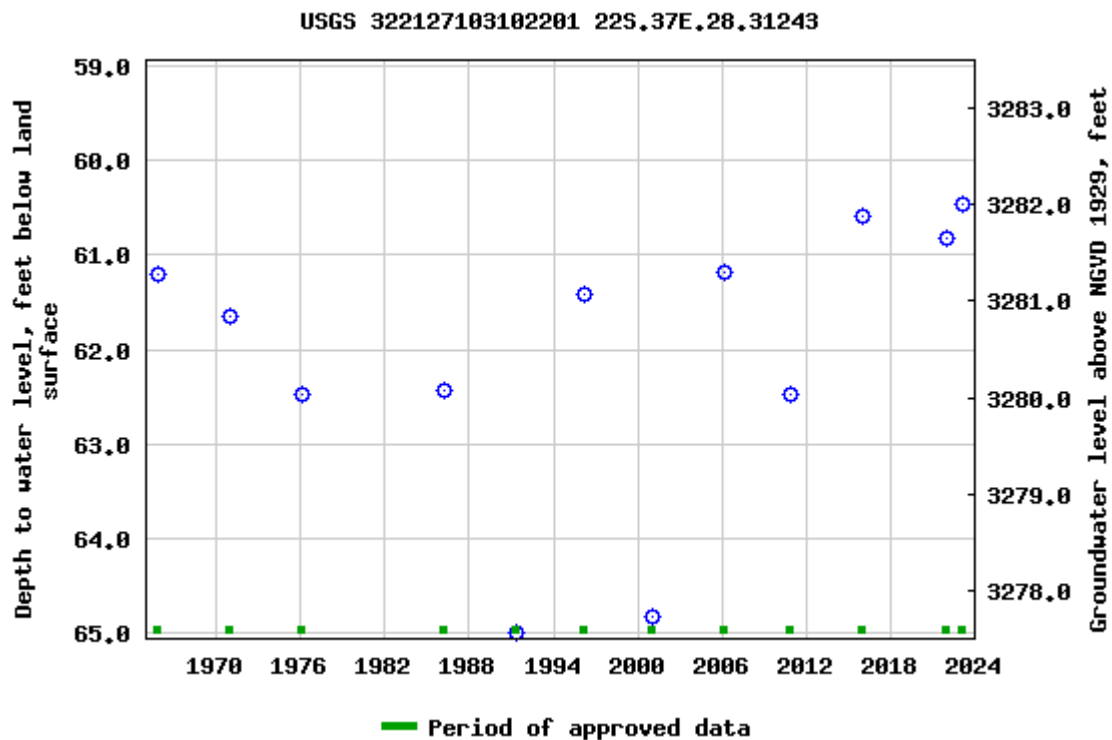
[Table of data](#)

[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: 2023-05-31 14:26:34 EDT

0.59 0.49 nadww02

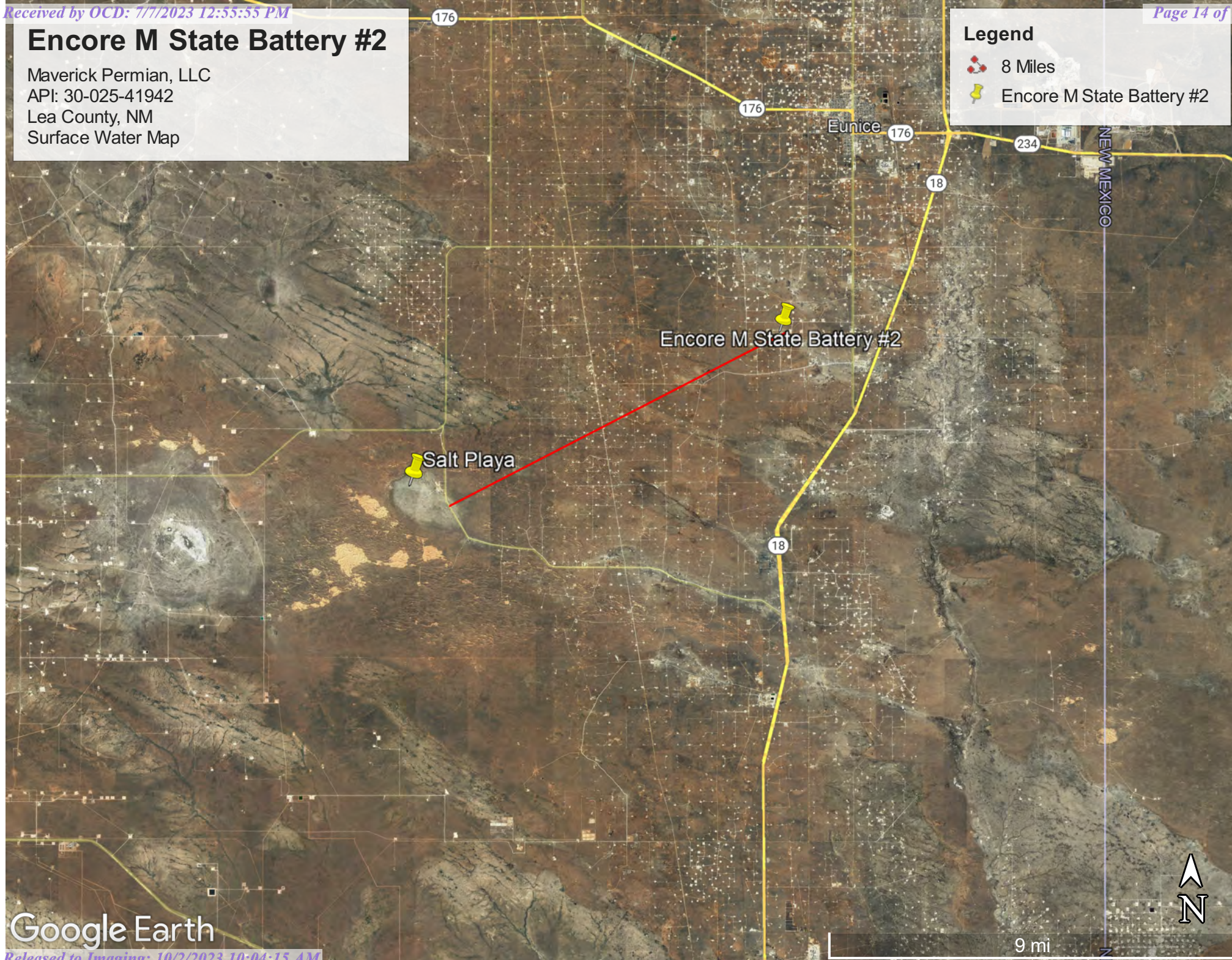


## Encore M State Battery #2

Maverick Permian, LLC  
API: 30-025-41942  
Lea County, NM  
Surface Water Map

### Legend

- 8 Miles
- Encore M State Battery #2



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

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## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

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

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e



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

---

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

### **Description of Maljamar**

#### **Setting**

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

#### **Typical profile**

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

#### **Properties and qualities**

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Low (about 5.6 inches)*

#### **Interpretive groups**

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

### **Minor Components**

#### **Kermit**

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

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

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*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 19, Sep 8, 2022



## National Flood Hazard Layer FIRMette



103°11'32"W 32°22'34"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/31/2023 at 2:29 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.

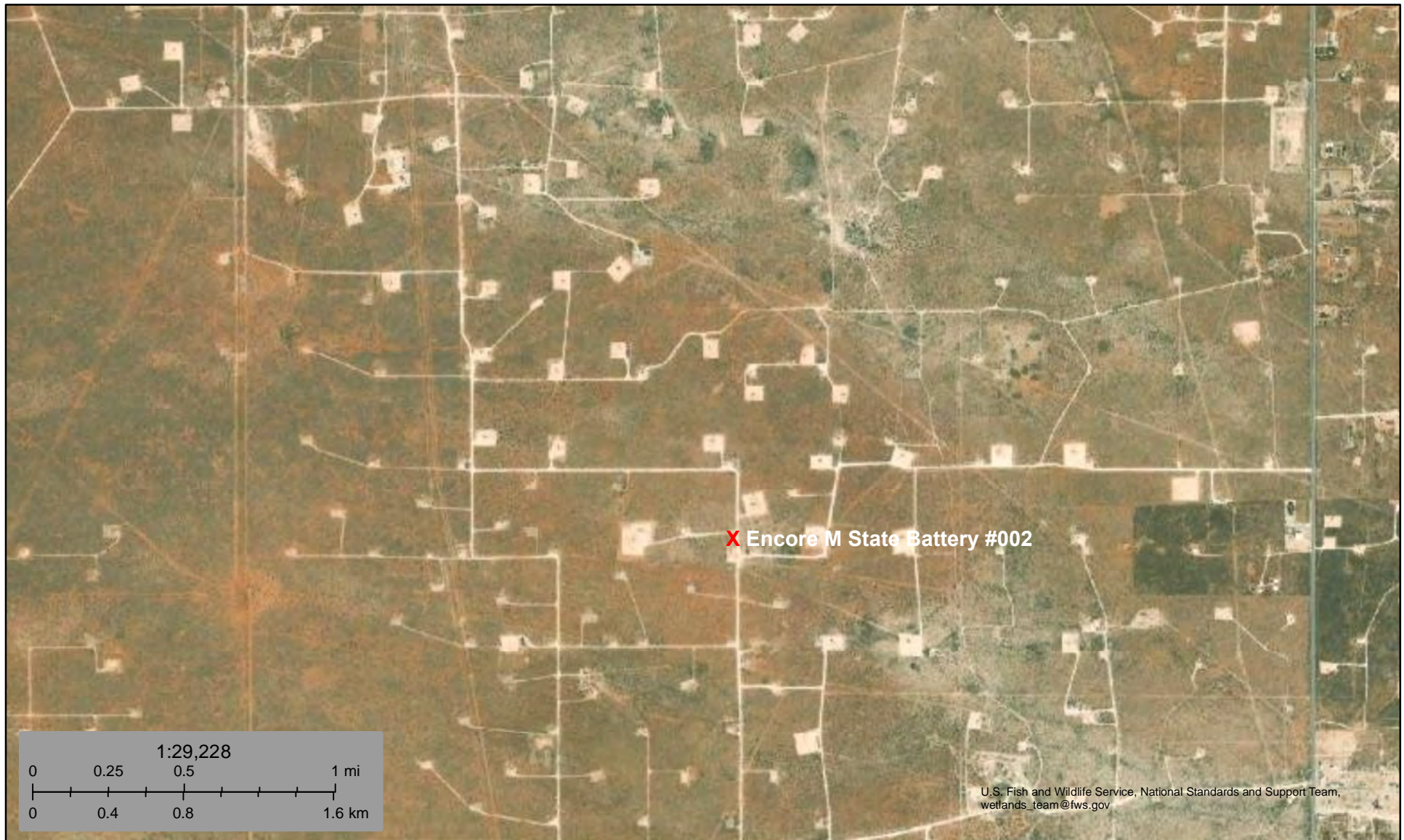
Released to Imaging: 10/2/2023 10:04:15 AM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020





## Wetlands Map



June 1, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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





Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2312143065
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Maverick Permian, LLC	OGRID
Contact Name: Bryce Wagoner	Contact Telephone: 928-241-1862
Contact email: Bryce.Wagoner@mavresources.com	Incident # (assigned by OCD) nAPP2312143065
Contact mailing address: 1410 NW County Road Hobbs, NM 88240	

Location of Release Source

Latitude 32.3720104 \_\_\_\_\_ Longitude -103.1871601 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Encore M State Battery #2 (Located on Encore M State #14 pad)	Site Type:
Date Release Discovered: April 18 <sup>th</sup> , 2023	API# (if applicable): 30-25-41942

Unit Letter	Section	Township	Range	County
N	20	22S	37E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2.78 bbls	Volume Recovered (bbls) 2.78 bbls
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 2.78 bbls	Volume Recovered (bbls) 2.78 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:  
  
Environmental scrubber filled up, failed to dump, carried over to flare scrubber, pump failed at scrubber, sent fluid straight to the flare. Causing release.

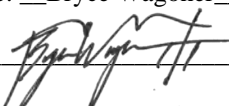


Incident ID	nAPP2312143065
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?          
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?          	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Bryce Wagoner</u>	Title: <u>Permian HSE Specialist II</u>
Signature: 	Date: <u>5/1/2023</u>
email: <u>Bryce.Wagoner@mavresources.com</u>	Telephone: <u>928-241-1862</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

<b>Spill Volume(Bbls) Calculator</b>		
<i>Inputs in blue , Outputs in red</i>		
<b>Contaminated Soil measurement</b>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>100</u>	<u>25.000</u>	<u>0.250</u>
Cubic Feet of Soil Impacted		<u>625.000</u>
Barrels of Soil Impacted		<u>111.41</u>
Soil Type		Clay
Barrels of Oil Assuming 100% Saturation		<u>11.14</u>
Saturation	Fluid present when squeezed	
Estimated Barrels of Oil Released		5.57
<b>Free Standing Fluid Only</b>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>0</u>	<u>0.000</u>	<u>0.000</u>
Standing fluid		<u>0.000</u>
<b>Total fluids spilled</b>		<b><u>11.141</u></b>

Incident ID	nAPP2312143065
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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



Incident ID	nAPP2312143065
District RP	
Facility ID	
Application ID	

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

Printed Name: Bryce Wagoner Title: Permian HSE Specialist II

Signature: 

Date: 6/28/2023

email: Bryce.Wagoner @mavresources.com

Telephone: 928-241-1862

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2312143065
District RP	
Facility ID	
Application ID	

## Closure

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

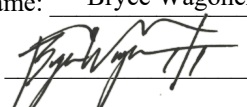
**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

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

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

Printed Name: Bryce Wagoner

Title: Permian HSE Specialist II

Signature: 

Date: 6/28/2023

email: Bryce.Wagoner@mavresources.com


Telephone: 928-241-1862

### OCD Only

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: 

Date: 10/02/2023

Printed Name: Nelson Velez

Title: Environmental Specialist - Adv

**From:** [sebastian@pimaoil.com](mailto:sebastian@pimaoil.com)  
**To:** [ocdonline@state.nm.us](mailto:ocdonline@state.nm.us)  
**Cc:** [tom@pimaoil.com](mailto:tom@pimaoil.com); [Polly@pimaoil.com](mailto:Polly@pimaoil.com)  
**Subject:** Encore M State Battery (nAPP2312143065) - 48 Hour Notification  
**Date:** Monday, May 22, 2023 9:36:18 AM  
**Attachments:** [image001.png](#)

---

Good morning,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Encore M State Battery (nAPP2312143065), on Wednesday May 24, 2023. Pima personnel will be on location at 6:30 am. Thank you.

Respectfully,  
Sebastian Orozco  
Environmental Professional  
5614 N Lovington Hwy,  
Hobbs, NM 88240  
[Sebastian@pimaoil.com](mailto:Sebastian@pimaoil.com)  
619-721-4813 cell







Pima Environmental Services

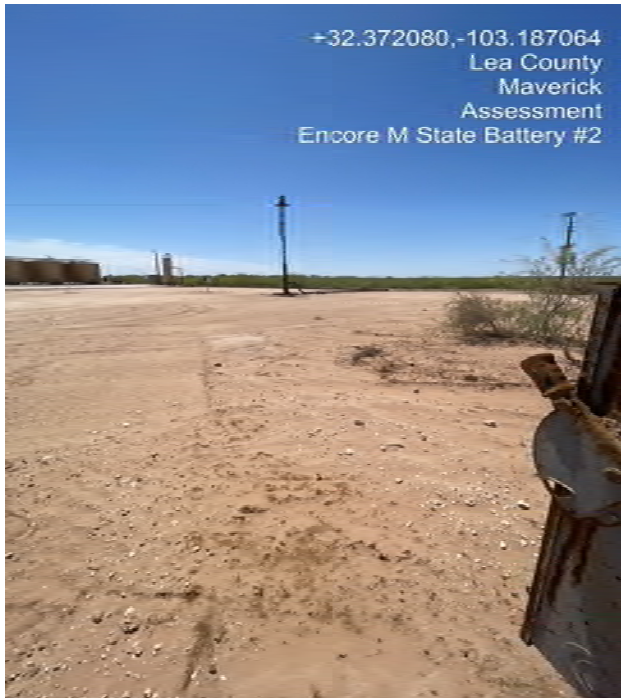
## **Appendix D**

Photographic Documentation



**SITE PHOTOGRAPHS**  
**Maverick Permian, LLC**  
**Encore M State Battery #002**

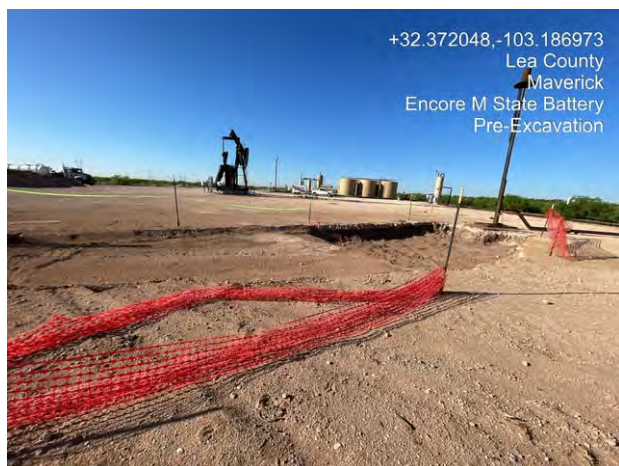
Site Assessment:







Excavation:







Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Encore M State Battery #2

Work Order: E304208

Job Number: 21064-0001

Received: 4/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/4/23

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

Date Reported: 5/4/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Encore M State Battery #2  
Workorder: E304208  
Date Received: 4/28/2023 8:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2023 8:45:00AM, under the Project Name: Encore M State Battery #2.

The analytical test results summarized in this report with the Project Name: Encore M State Battery #2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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

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

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



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	<b>Reported:</b> 05/04/23 10:57
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 6"	E304208-01A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S1 - 1'	E304208-02A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 6"	E304208-03A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 1'	E304208-04A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S3 - 6"	E304208-05A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S3 - 1'	E304208-06A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S4 - 6"	E304208-07A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S4 - 1'	E304208-08A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
SW1	E304208-09A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
SW2	E304208-10A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
SW3	E304208-11A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
SW4	E304208-12A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S1 - 6"

E304208-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2318007	
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2318007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2318006	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane	96.5 %	50-200		05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2318010	
Chloride	146	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S1 - 1'

E304208-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.3 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.3 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	62.4	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane	99.1 %	50-200		05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	740	20.0	1	05/01/23	05/02/23	





## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S2 - 6"

E304208-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	100 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	100 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	505	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	183	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane	98.9 %	50-200		05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	682	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S2 - 1'

E304208-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		99.1 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		99.1 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane		92.1 %	50-200	05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	74.1	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S3 - 6"

E304208-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane		97.6 %	50-200	05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	62.8	20.0	1	05/01/23	05/02/23	





## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S3 - 1'

E304208-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.3 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.3 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane	93.1 %	50-200		05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S4 - 6"

E304208-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
Surrogate: n-Nonane	94.3 %	50-200		05/01/23	05/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	26.9	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

S4 - 1'

E304208-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.6 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.6 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/03/23	
Surrogate: n-Nonane	92.3 %	50-200		05/01/23	05/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	





## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

## SW1

## E304208-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	101 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/03/23	
Surrogate: n-Nonane	96.3 %	50-200		05/01/23	05/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

## SW2

## E304208-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	05/01/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/03/23	
Surrogate: n-Nonane		93.2 %	50-200	05/01/23	05/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

## SW3

## E304208-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	100 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	100 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/03/23	
Surrogate: n-Nonane	93.4 %	50-200		05/01/23	05/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/4/2023 10:57:07AM

## SW4

## E304208-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Benzene	ND	0.0250	1	05/01/23	05/01/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/01/23	
Toluene	ND	0.0250	1	05/01/23	05/01/23	
o-Xylene	ND	0.0250	1	05/01/23	05/01/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/01/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.4 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2318007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/01/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		05/01/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		05/01/23	05/01/23	
Surrogate: Toluene-d8	99.4 %	70-130		05/01/23	05/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2318006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/03/23	
Surrogate: n-Nonane	92.5 %	50-200		05/01/23	05/03/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 10:57:07AM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2318007-BLK1)

Prepared: 05/01/23 Analyzed: 05/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

## LCS (2318007-BS1)

Prepared: 05/01/23 Analyzed: 05/01/23

Benzene	2.41	0.0250	2.50		96.5	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.9	70-130			
Toluene	2.35	0.0250	2.50		93.8	70-130			
o-Xylene	2.40	0.0250	2.50		96.1	70-130			
p,m-Xylene	4.72	0.0500	5.00		94.4	70-130			
Total Xylenes	7.12	0.0250	7.50		95.0	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

## Matrix Spike (2318007-MS1)

Source: E304208-02

Prepared: 05/01/23 Analyzed: 05/01/23

Benzene	2.32	0.0250	2.50	ND	92.7	48-131			
Ethylbenzene	2.26	0.0250	2.50	ND	90.3	45-135			
Toluene	2.24	0.0250	2.50	ND	89.6	48-130			
o-Xylene	2.29	0.0250	2.50	ND	91.7	43-135			
p,m-Xylene	4.49	0.0500	5.00	ND	89.8	43-135			
Total Xylenes	6.78	0.0250	7.50	ND	90.4	43-135			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

## Matrix Spike Dup (2318007-MSD1)

Source: E304208-02

Prepared: 05/01/23 Analyzed: 05/01/23

Benzene	2.31	0.0250	2.50	ND	92.6	48-131	0.108	23	
Ethylbenzene	2.30	0.0250	2.50	ND	92.1	45-135	1.97	27	
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	2.64	24	
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135	4.58	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.4	43-135	5.04	27	
Total Xylenes	7.12	0.0250	7.50	ND	95.0	43-135	4.88	27	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 10:57:07AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2318007-BLK1)

Prepared: 05/01/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

## LCS (2318007-BS2)

Prepared: 05/01/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.1	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike (2318007-MS2)

Source: E304208-02

Prepared: 05/01/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.1	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## Matrix Spike Dup (2318007-MSD2)

Source: E304208-02

Prepared: 05/01/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.3	70-130	3.23	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 10:57:07AM

## 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 (2318006-BLK1)

Prepared: 05/01/23 Analyzed: 05/02/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.0		50.0		99.9	50-200			

## LCS (2318006-BS1)

Prepared: 05/01/23 Analyzed: 05/02/23

Diesel Range Organics (C10-C28)	264	25.0	250		106	38-132			
Surrogate: n-Nonane	45.5		50.0		91.0	50-200			

## Matrix Spike (2318006-MS1)

Source: E304208-10

Prepared: 05/01/23 Analyzed: 05/02/23

Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			

## Matrix Spike Dup (2318006-MSD1)

Source: E304208-10

Prepared: 05/01/23 Analyzed: 05/02/23

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	3.24	20	
Surrogate: n-Nonane	45.6		50.0		91.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 10:57:07AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2318010-BLK1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	ND	20.0							
LCS (2318010-BS1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2318010-MS1)					Source: E304193-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2318010-MSD1)					Source: E304193-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	251	20.0	250	ND	100	80-120	0.0112	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:	Encore M State Battery #2	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/04/23 10:57

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

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program							
Project: <u>Encore M State Battery #2</u>					Attention: <u>Pima</u>		Lab WO# <u>E 204208</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA					
Address: 5614 N. Lovington Hwy.					City, State, Zip															
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:															
Phone: 580-748-1613					Email:										State					
Email: tom@pimaoil.com					Pima Project # <u>24-5</u>										NM		CO	UT	AZ	TX
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						
	4/26/23	Soil	1	S1-6"	1							X								
				S1-1'	2															
				S2-6"	3															
				S2-1'	4															
				S3-6"	5															
				S3-1'	6															
				S4-6"	7															
				S4-1'	8															
				SW1	9															
				SW2	10															

## Additional Instructions:

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.

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Michael Cays</u>	4-27-23	2:00	<u>Michael Cays</u>	4-27-23	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Andrew Messo</u>	4-27-23	1745	<u>Andrew Messo</u>	4-27-23	1800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Andrew Messo</u>	4-27-23	2330	<u>Andrew Messo</u>	4-28-23	8:45	

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**



### Chain of Custody



## Envirotech Analytical Laboratory

Printed: 4/28/2023 12:33:31PM

## 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:	04/28/23 08:45	Work Order ID:	E304208
Phone:	(575) 631-6977	Date Logged In:	04/27/23 16:41	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/04/23 17:00 (4 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: Courier**Comments/Resolution**

Time sampled not provided on the 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? Yes

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Encore M State Batt #2

Work Order: E305048

Job Number: 21064-0001

Received: 5/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/15/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/15/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Encore M State Batt #2  
Workorder: E305048  
Date Received: 5/9/2023 7:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/9/2023 7:45:00AM, under the Project Name: Encore M State Batt #2.

The analytical test results summarized in this report with the Project Name: Encore M State Batt #2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
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**Lynn Jarboe**  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Batt #2	Reported:  05/15/23 09:17
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1.5	E305048-01A	Soil	05/08/23	05/09/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Encore M State Batt #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/15/2023 9:17:21AM

## S1 - 1.5

## E305048-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2319023	
Benzene	ND	0.0250	1	05/09/23	05/09/23	
Ethylbenzene	ND	0.0250	1	05/09/23	05/09/23	
Toluene	ND	0.0250	1	05/09/23	05/09/23	
o-Xylene	ND	0.0250	1	05/09/23	05/09/23	
p,m-Xylene	ND	0.0500	1	05/09/23	05/09/23	
Total Xylenes	ND	0.0250	1	05/09/23	05/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		05/09/23	05/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2319023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/23	05/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		05/09/23	05/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2319037	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/23	05/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/23	05/11/23	
<i>Surrogate: n-Nonane</i>						
	88.9 %	50-200		05/10/23	05/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2319007	
Chloride	ND	20.0	1	05/08/23	05/10/23	





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Batt #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 9:17:21AM

## Volatile Organics by EPA 8021B

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 (2319023-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

## LCS (2319023-BS1)

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

Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.5	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

## Matrix Spike (2319023-MS1)

Source: E305046-02

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

Benzene	4.49	0.0250	5.00	ND	89.7	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.9	61-133			
Toluene	4.77	0.0250	5.00	ND	95.3	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131			
p,m-Xylene	9.55	0.0500	10.0	ND	95.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.4	70-130			

## Matrix Spike Dup (2319023-MSD1)

Source: E305046-02

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

Benzene	4.52	0.0250	5.00	ND	90.5	54-133	0.833	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133	0.806	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	0.638	20	
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131	0.687	20	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	0.865	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131	0.806	20	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Batt #2	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 9:17:21AM

## 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 (2319023-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

## LCS (2319023-BS2)

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

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

## Matrix Spike (2319023-MS2)

Source: E305046-02

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

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.4	70-130			

## Matrix Spike Dup (2319023-MSD2)

Source: E305046-02

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

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	6.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Batt #2	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 9:17:21AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

## Blank (2319037-BLK1)

Prepared: 05/10/23 Analyzed: 05/10/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			

## LCS (2319037-BS1)

Prepared: 05/10/23 Analyzed: 05/10/23

Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	43.8		50.0		87.7	50-200			

## Matrix Spike (2319037-MS1)

Source: E305056-01

Prepared: 05/10/23 Analyzed: 05/10/23

Diesel Range Organics (C10-C28)	431	25.0	250	259	68.7	38-132			
Surrogate: n-Nonane	65.5		50.0		131	50-200			

## Matrix Spike Dup (2319037-MSD1)

Source: E305056-01

Prepared: 05/10/23 Analyzed: 05/10/23

Diesel Range Organics (C10-C28)	418	25.0	250	259	63.4	38-132	3.11	20	
Surrogate: n-Nonane	64.5		50.0		129	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Batt #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 9:17:21AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2319007-BLK1)					Prepared: 05/10/23 Analyzed: 05/10/23				
Chloride	ND	20.0							
LCS (2319007-BS1)					Prepared: 05/10/23 Analyzed: 05/10/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2319007-MS1)					Source: E305033-01		Prepared: 05/10/23 Analyzed: 05/10/23		
Chloride	259	20.0	250	ND	103	80-120			
Matrix Spike Dup (2319007-MSD1)					Source: E305033-01		Prepared: 05/10/23 Analyzed: 05/10/23		
Chloride	260	20.0	250	ND	104	80-120	0.472	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:	Encore M State Batt #2	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/15/23 09:17

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

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

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





Client: Pima Environmental Services						Bill To								Lab Use Only				TAT				EPA Program									
Project: <b>Encore M State Part #2</b>						Attention: <b>Pima</b>						Lab WO# <b>E305048</b>				Job Number <b>21004-0001</b>				1D		2D		3D		Standard		CWA		SDWA	
Project Manager: Tom Bynum						Address:																									
Address: 5614 N. Lovington Hwy.						City, State, Zip																									
City, State, Zip Hobbs, NM, 88240						Phone:																									
Phone: 580-748-1613						Email:																									
Email: tom@pimaoil.com						Pima Project # <b>24-5</b>																									
Report due by:																															

[illegible]

**Additional Instructions:**

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) <i>Carine Anne</i>	Date 5/8/23	Time 200	Received by: (Signature) <i>Michelle Gungo</i>	Date 5-8-23	Time 1400	Lab Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gungo</i>	Date 5-8-23	Time 1630	Received by: (Signature) <i>Andrew Messo</i>	Date 5-8-23	Time 1700	
Relinquished by: (Signature) <i>Andrew Messo</i>	Date 5-8-23	Time 2300	Received by: (Signature) <i>Andrew Messo</i>	Date 5-8-23	Time 7:45	

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

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

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

## Envirotech Analytical Laboratory

Printed: 5/9/2023 11:37:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/09/23 07:45	Work Order ID:	E305048
Phone:	(575) 631-6977	Date Logged In:	05/08/23 16:27	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/15/23 17:00 (4 day TAT)		

**Chain of Custody (COC)**

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

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

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

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Encore M State Battery #2

Work Order: E305148

Job Number: 21064-0001

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/31/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/31/23



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Encore M State Battery #2  
Workorder: E305148  
Date Received: 5/25/2023 8:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: Encore M State Battery #2.

The analytical test results summarized in this report with the Project Name: Encore M State Battery #2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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

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

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	<b>Reported:</b> 05/31/23 15:01
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E305148-01A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-2	E305148-02A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-3	E305148-03A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-4	E305148-04A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-5	E305148-05A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-6	E305148-06A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CS-7	E305148-07A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW-1	E305148-08A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW-2	E305148-09A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW-3	E305148-10A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW4	E305148-11A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW5	E305148-12A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.
CSW6	E305148-13A	Soil	05/24/23	05/25/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-1

## E305148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene	106 %	70-130		05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		05/25/23	05/26/23	
Surrogate: Toluene-d8	107 %	70-130		05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene	106 %	70-130		05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		05/25/23	05/26/23	
Surrogate: Toluene-d8	107 %	70-130		05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
Surrogate: n-Nonane	106 %	50-200		05/25/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-2

## E305148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		110 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		110 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/25/23	
Surrogate: n-Nonane		104 %	50-200	05/25/23	05/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-3

## E305148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		110 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		110 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		105 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-4

## E305148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		107 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	





## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-5

## E305148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		108 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CS-6

## E305148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		110 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		110 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		106 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

CS-7

E305148-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		104 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW-1

## E305148-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		109 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		109 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		108 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW-2

## E305148-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		108 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	





## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW-3

## E305148-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		109 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW4

## E305148-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		107 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		109 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW5

## E305148-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/26/23	
Toluene	ND	0.0250	1	05/25/23	05/26/23	
o-Xylene	ND	0.0250	1	05/25/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/26/23	
Surrogate: Bromofluorobenzene		107 %	70-130	05/25/23	05/26/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/25/23	05/26/23	
Surrogate: Toluene-d8		106 %	70-130	05/25/23	05/26/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		110 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	30.6	20.0	1	05/25/23	05/26/23	



## Sample Data

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

Project Name: Encore M State Battery #2  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
5/31/2023 3:01:23PM

## CSW6

## E305148-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/25/23	05/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	05/25/23	05/27/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321060
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/25/23	05/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	05/25/23	05/27/23	
Surrogate: Toluene-d8		108 %	70-130	05/25/23	05/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2321058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		109 %	50-200	05/25/23	05/26/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2321065
Chloride	ND	20.0	1	05/25/23	05/26/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/31/2023 3:01:23PM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

## Blank (2321060-BLK1)

Prepared: 05/25/23 Analyzed: 05/26/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## LCS (2321060-BS1)

Prepared: 05/25/23 Analyzed: 05/26/23

Benzene	2.45	0.0250	2.50		97.9	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130			
Toluene	2.50	0.0250	2.50		99.8	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.13	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

## Matrix Spike (2321060-MS1)

Source: E305147-21

Prepared: 05/25/23 Analyzed: 05/26/23

Benzene	2.48	0.0250	2.50	ND	99.3	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.79	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.54	0.0500	5.00	ND	111	43-135			
Total Xylenes	8.33	0.0250	7.50	ND	111	43-135			
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

## Matrix Spike Dup (2321060-MSD1)

Source: E305147-21

Prepared: 05/25/23 Analyzed: 05/26/23

Benzene	2.57	0.0250	2.50	ND	103	48-131	3.37	23	
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135	2.66	27	
Toluene	2.63	0.0250	2.50	ND	105	48-130	2.35	24	
o-Xylene	2.88	0.0250	2.50	ND	115	43-135	3.07	27	
p,m-Xylene	5.67	0.0500	5.00	ND	113	43-135	2.49	27	
Total Xylenes	8.56	0.0250	7.50	ND	114	43-135	2.68	27	
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/31/2023 3:01:23PM

## 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 (2321060-BLK1)

Prepared: 05/25/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## LCS (2321060-BS2)

Prepared: 05/25/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	64.3	20.0	50.0		129	70-130			
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

## Matrix Spike (2321060-MS2)

Source: E305147-21

Prepared: 05/25/23 Analyzed: 05/30/23

Gasoline Range Organics (C6-C10)	65.3	20.0	50.0	ND	131	70-130			M1
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

## Matrix Spike Dup (2321060-MSD2)

Source: E305147-21

Prepared: 05/25/23 Analyzed: 05/30/23

Gasoline Range Organics (C6-C10)	65.2	20.0	50.0	ND	130	70-130	0.163	20	
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/31/2023 3:01:23PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2321058-BLK1)

Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.6		50.0		109	50-200			

## LCS (2321058-BS1)

Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			

## Matrix Spike (2321058-MS1)

Source: E305148-01

Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			

## Matrix Spike Dup (2321058-MSD1)

Source: E305148-01

Prepared: 05/25/23 Analyzed: 05/25/23

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	1.63	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Encore M State Battery #2	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/31/2023 3:01:23PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2321065-BLK1)					Prepared: 05/25/23 Analyzed: 05/25/23				
Chloride	ND	20.0							
LCS (2321065-BS1)					Prepared: 05/25/23 Analyzed: 05/25/23				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2321065-MS1)					Source: E305147-21		Prepared: 05/25/23 Analyzed: 05/25/23		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2321065-MSD1)					Source: E305147-21		Prepared: 05/25/23 Analyzed: 05/25/23		
Chloride	256	20.0	250	ND	102	80-120	0.214	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:	Encore M State Battery #2	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/31/23 15:01

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																							
Project: <u>Encore M State Battery #2</u>					Attention: <u>Maverick</u>					Lab WO# <u>E 305148</u>					Job Number <u>21064-0001</u>				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: Tom Bynum					Address:					Analysis and Method									RCRA																							
Address: 5614 N. Lovington Hwy.					City, State, Zip																																					
City, State, Zip: Hobbs, NM, 88240					Phone:					DRO/ORO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX			
Phone: 580-748-1613					Email:																																					
Email: tom@pimaoil.com					Pima Project # <u>24-5</u>					State					NM				CO				UT				AZ				TX											
Report due by:																																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																				
1:00	5/24/23	S	1	CS-1	1																																					
1:05				CS-2	2																																					
1:10				CS-3	3																																					
1:15				CS-4	4																																					
1:20				CS-5	5																																					
1:25				CS-6	6																																					
1:30				CS-7	7																																					
1:35				CSW-1	8																																					
1:40				CSW-2	9																																					
1:45				CSW-3	10																																					
Additional Instructions: <u>K.A. <del>to Bill</del> Pima</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: <u>A.F.</u>																																										
Relinquished by: (Signature) <u>Karime Adams</u>					Date <u>5/24/23</u> Time <u>1430</u>					Received by: (Signature) <u>Nichelle Cuyler</u>					Date <u>5-24-23</u> Time <u>1600</u>					Lab Use Only																						
Relinquished by: (Signature) <u>Nichelle Cuyler</u>					Date <u>5-24-23</u> Time <u>1815</u>					Received by: (Signature) <u>Andrew Musso</u>					Date <u>5-24-23</u> Time <u>1830</u>					Received on ice: <u>(Y)</u> N																						
Relinquished by: (Signature) <u>Andrew Musso</u>					Date <u>5-24-23</u> Time <u>2400</u>					Received by: (Signature) <u>Keith Mann</u>					Date <u>5/25/23</u> Time <u>8:20</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.																																										





## Envirotech Analytical Laboratory

Printed: 5/25/2023 10:11:03AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/25/23 08:20	Work Order ID:	E305148
Phone:	(575) 631-6977	Date Logged In:	05/24/23 16:13	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: CourierSample 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 InstructionComments/Resolution

Time sampled not provided on last sample.

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

Date



envirotech Inc.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 237282

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 237282
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	10/2/2023