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## Closure Report

Pony Express Fed West Facility Tank Battery  
Lea County, New Mexico  
**Incident #** NAPP2322956610

## Prepared For:

Matador Resources  
5347 N. 26th Street 2nd Floor  
Artesia, NM 8821

## Prepared By:

Talon/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**November 27, 2023**

**NMOCD**

506 W. Texas Ave  
Artesia, NM 88210

**New Mexico State Land Office**

1300 W. Broadway Avenue, Suite A  
Bloomfield, NM 87413

Subject: **Closure Report**  
Pony Express Fed West Facility Tank Battery  
Lea County, New Mexico  
Incident # NAPP2322956610

To Whom It May Concern,

Matador Resources contracted Talon/LPE, LTD. (Talon) to complete remediation and closure activities at the above referenced location. The incident description, soil sampling results, remedial actions, and closure request are presented herein.

### **Site Information**

The Pony Express Fed West Facility Tank Battery is located approximately 32 miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter L, Section 16, Township 20S, and Range 33E in Lea County, New Mexico. The latitude and longitude for the site is 32.57778, -103.67142. Site maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Jal association with 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region. Drainage courses in this area are typically well drained.

### **Groundwater and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 325 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject location. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. See [Appendix II](#) for the site characterization data.

<b>Site Characterization</b>	
What is the shallowest depth to groundwater beneath the area affected by the release? (ft bgs)	325 ft
What method was used to determine the depth to ground water?	Estimate
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse. (mi)	8.5 mi
Distance from any lakebed, sinkhole, or playa lake. (mi)	1.1 mi
Distance from an occupied permanent residence, school, hospital, institution, or church. (mi)	30.0 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. (mi)	1.4 mi
Distance from any fresh water well or spring. (mi)	0.9 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field. (mi)	29.9 mi
Distance from a wetland. (mi)	22.6 mi
Distance from a subsurface mine. (mi)	17.0 mi
Distance from (non-karst) unstable area. (mi)	2.2 mi
Categorize the risk of this well/site being in a karst geology.	Low
Is the site located within a 100 year floodplain?	No
Did the release impact areas not on an exploration, development, production, or storage site?	No

### Groundwater and Site Characterization (Continued)

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

### Incident Description

On August 16, 2023, approximately 10 barrels (bbls) of produced water were released onto the well pad due to a line failure. A vacuum truck was dispatched and four (4) bbls of produced water were recovered from the area. The initial C-141 was submitted to the NMOCD, and can be reviewed under incident number NAPP2322956610.

Site maps of the release are presented in [Appendix I](#). Initial C-141 spill notifications were filed with the NMOCD and are attached in [Appendix III](#).

### Site Assessment Activities

On August 17, 2023, Talon personnel was mobilized to conduct an initial site assessment of the subject location. Samples were collected from six (6) points within the impacted area. The sample positions and impacted areas were mapped with a global navigation satellite system (GNSS) device and photographed. All soil samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). The analytical results of this sampling event are summarized in Table 1 within [Appendix VI](#). A Site Assessment map is presented in [Appendix I](#).



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## Remediation Activities

On September 12, 2023, Talon personnel began the excavation of the impacted area. A hydrovac was utilized for excavation in and around the existing infrastructure east of the battery.

On October 19, 2023 composite samples were collected from the bottom and sidewalls of the excavation. These samples were transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

On October 24, 2023, based upon analytical results, Talon deepened the excavation areas around composite samples C-2 to C-6 and collected new representative samples for laboratory analysis. These samples were analyzed for Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

The sample results from the laboratory analysis are summarized in Table 2 within [Appendix VI](#). Sample locations are illustrated on the Confirmation Sample map within [Appendix I](#) and complete laboratory analytical reports are presented in [Appendix V](#).

## Remedial Action Summary

- The impacted area was excavated to depths of two and a half (2.5) to five (5) feet bgs. Talon personnel field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- Pursuant to NMOCD guidelines, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all remediated areas reached NMOCD closure criteria.
- The excavated areas on the well pad were backfilled with new caliche, machine compacted and contoured to match the surrounding location.
- Photographic documentation is provided in [Appendix IV](#).
- Copies of the Final C-141s and NMOCD correspondence are presented in [Appendix III](#).

### Closure

Based upon the completed remedial actions and confirmation sampling results, on behalf of Matador Resources, we respectfully request that no further actions be required and the incident closed.

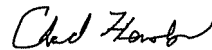
Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE



Matthew Gomez  
Project Manager



Chad Hensley  
Senior Project Manager

#### Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
- Appendix III C-141 Forms, NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Analytical Reports



## Appendix I

### Site Maps





Image Source: Talon LPE



Drafted: 11/22/2023

1 in = 20 ft

Drafted By: IJR

Figure 1

Matador Resources  
Pony Express West TB  
Lea County, NM  
Spill Assessment Map



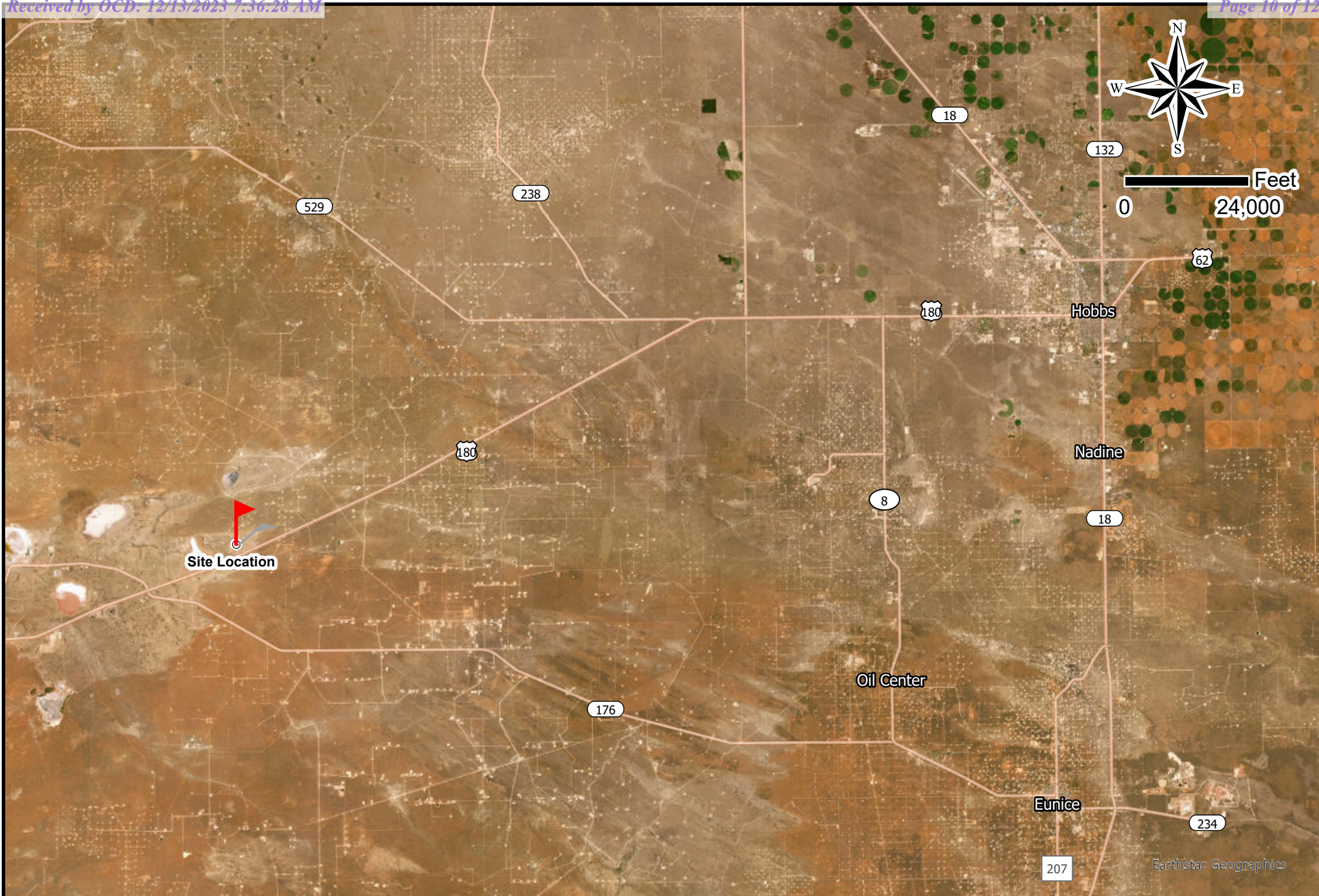


Drafted: 12/1/2023  
1 in = 20 ft  
Drafted By: JAI

Figure 2

Matador Resources  
Pony Express West TB  
Lea County, NM  
Confirmation Map





Drafted: 11/22/2023  
1 in = 24,000 ft  
Drafted By: IJR

Figure 3

Matador Resources  
Pony Express West TB  
Lea County, NM  
32.577831 -103.671522  
Location Map





Image Source: Google Earth Pro

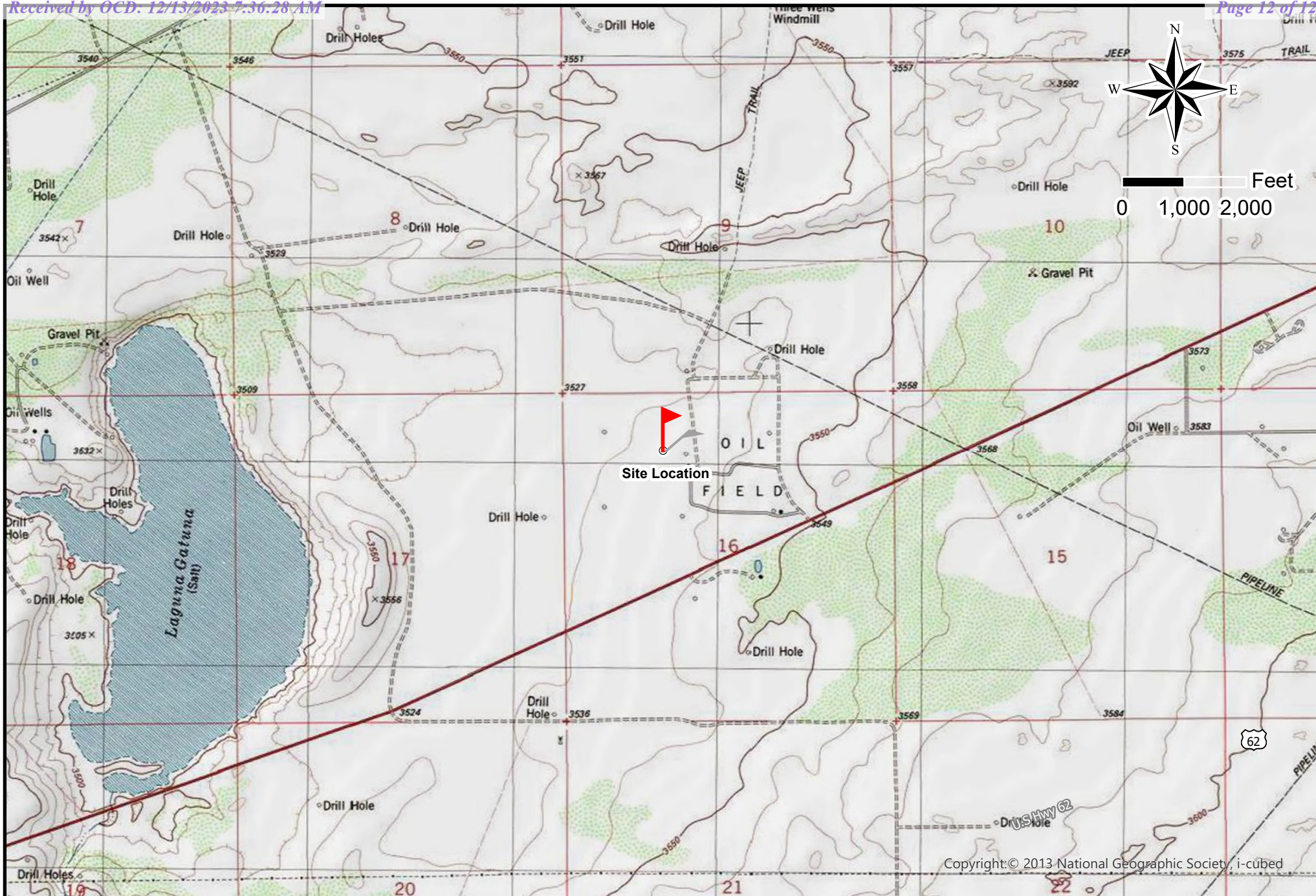


Drafted: 11/22/2023  
1 in = 500 ft  
Drafted By: IJR

Figure 4

Matador Resources  
Pony Express West TB  
Lea County, NM  
Karst Map





Drafted: 11/22/2023  
1 in = 2,000 ft  
Drafted By: IJR

Figure 5

Matador Resources  
Pony Express West TB  
Lea County, NM  
Topographic Map





## **Appendix II**

Groundwater Data

Soil Survey

FEMA Flood 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	Tw	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP00653 POD1</a>		CP	LE	4	4	04	20S	33E		625573	3607367*	2292	60		
<a href="#">CP00317</a>		CP	LE	3	4	3	05	20S	33E	623054	3607235*	2574	680	325	355
Average Depth to Water:														325 feet	
Minimum Depth:														325 feet	
Maximum Depth:														325 feet	

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 624693

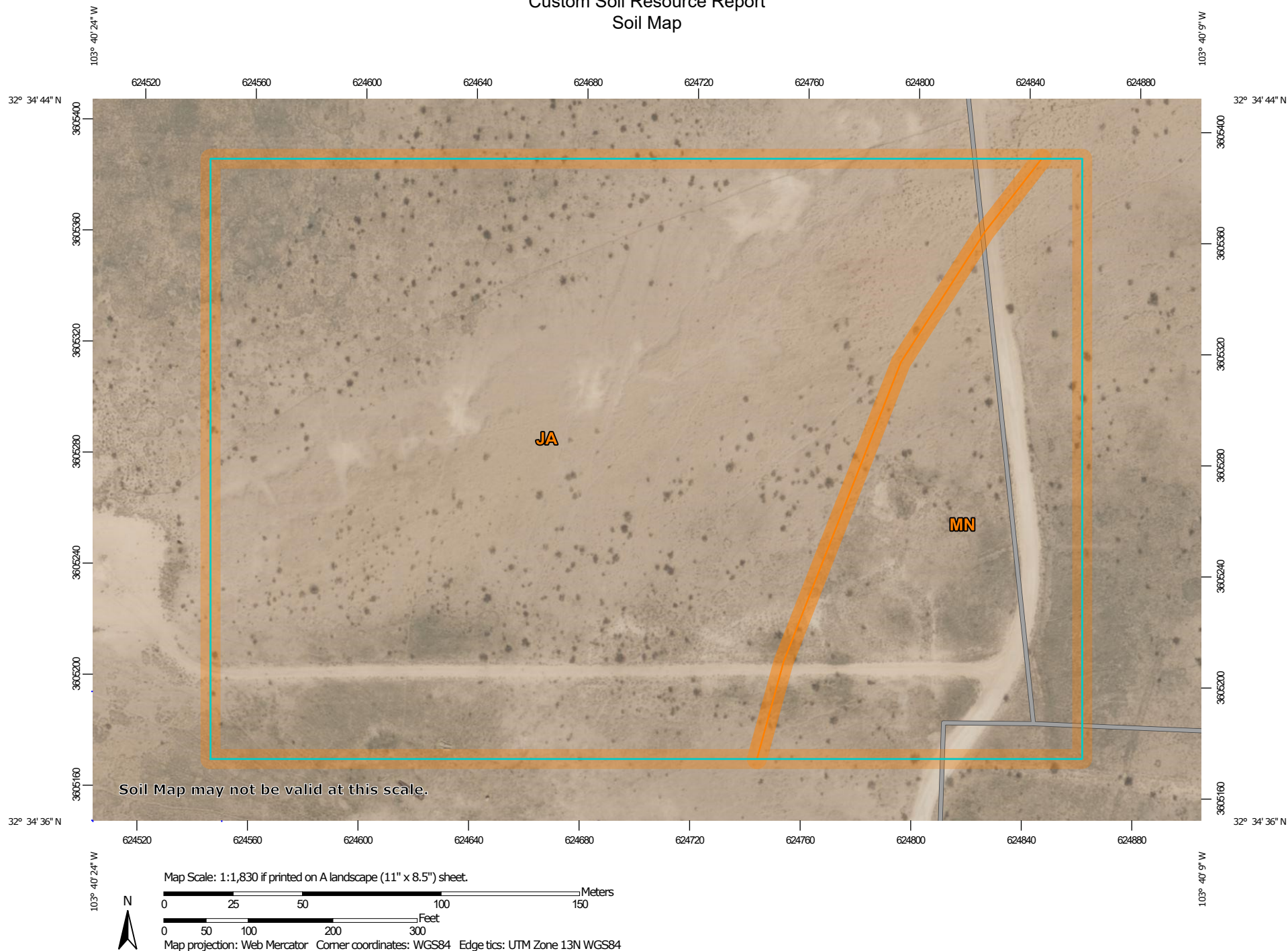
Northing (Y): 3605250

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.


# Custom Soil Resource Report Soil Map



## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)


## Soils

 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit


 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals


## Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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

## Custom Soil Resource Report

## Lea County, New Mexico

## JA—Jal association

## Map Unit Setting

*National map unit symbol:* dmpt

*Elevation:* 3,000 to 4,000 feet

*Mean annual precipitation:* 10 to 16 inches

*Mean annual air temperature:* 58 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Farmland of statewide importance

## Map Unit Composition

*Jal and similar soils:* 55 percent

*Drake and similar soils:* 30 percent

*Minor components:* 15 percent

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

## Description of Jal

## Setting

*Landform:* Playa rims

*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Convex

*Across-slope shape:* Concave

*Parent material:* Calcareous alluvium and/or calcareous lacustrine deposits  
derived from sedimentary rock

## Typical profile

*A - 0 to 12 inches:* sandy loam

*Bk - 12 to 60 inches:* loam

## Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 50 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Moderate (about 7.2 inches)

## Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 7c

*Hydrologic Soil Group:* B

*Ecological site:* R070BC030NM - Limy

*Hydric soil rating:* No

## Custom Soil Resource Report

**Description of Drake****Setting**

*Landform:* Playa dunes  
*Landform position (two-dimensional):* Backslope, footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 9 inches:* loamy fine sand  
*AC - 9 to 30 inches:* fine sandy loam  
*C - 30 to 60 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 50 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:* Moderate (about 6.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 7c  
*Hydrologic Soil Group:* A  
*Ecological site:* R070BD004NM - Sandy  
*Hydric soil rating:* No

**Minor Components****Midessa**

*Percent of map unit:* 5 percent  
*Ecological site:* R070BC007NM - Loamy  
*Hydric soil rating:* No

**Wink**

*Percent of map unit:* 5 percent  
*Ecological site:* R070BD003NM - Loamy Sand  
*Hydric soil rating:* No

**Simona**

*Percent of map unit:* 5 percent  
*Ecological site:* R070BD002NM - Shallow Sandy  
*Hydric soil rating:* No



## Custom Soil Resource Report

**MN—Ratliff-Wink fine sandy loams****Map Unit Setting**

*National map unit symbol:* dmqf

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

*Mean annual precipitation:* 10 to 15 inches

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

*Frost-free period:* 190 to 205 days

*Farmland classification:* Farmland of statewide importance

**Map Unit Composition**

*Ratliff and similar soils:* 45 percent

*Wink and similar soils:* 40 percent

*Minor components:* 15 percent

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

**Description of Ratliff****Setting**

*Landform:* Plains

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 4 inches:* fine sandy loam

*Bw - 4 to 22 inches:* clay loam

*Bk - 22 to 60 inches:* clay loam

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 50 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:* Moderate (about 8.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 4e

## Custom Soil Resource Report

*Land capability classification (nonirrigated): 6c*

*Hydrologic Soil Group: B*

*Ecological site: R070BC007NM - Loamy*

*Hydric soil rating: No*

**Description of Wink****Setting**

*Landform: Plains*

*Landform position (three-dimensional): Dip*

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock*

**Typical profile**

*A - 0 to 12 inches: fine sandy loam*

*Bk - 12 to 23 inches: sandy loam*

*BCK - 23 to 60 inches: sandy loam*

**Properties and qualities**

*Slope: 0 to 3 percent*

*Depth to restrictive feature: More than 80 inches*

*Drainage class: Well drained*

*Runoff class: Very low*

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

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Calcium carbonate, maximum content: 30 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 4.7 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 7e*

*Hydrologic Soil Group: A*

*Ecological site: R070BD004NM - Sandy*

*Hydric soil rating: No*

**Minor Components****Kermit**

*Percent of map unit: 6 percent*

*Ecological site: R070BC022NM - Sandhills*

*Hydric soil rating: No*

**Maljamar**

*Percent of map unit: 5 percent*

*Ecological site: R070BD003NM - Loamy Sand*

*Hydric soil rating: No*

**Palomas**

*Percent of map unit: 4 percent*

*Ecological site: R070BD003NM - Loamy Sand*



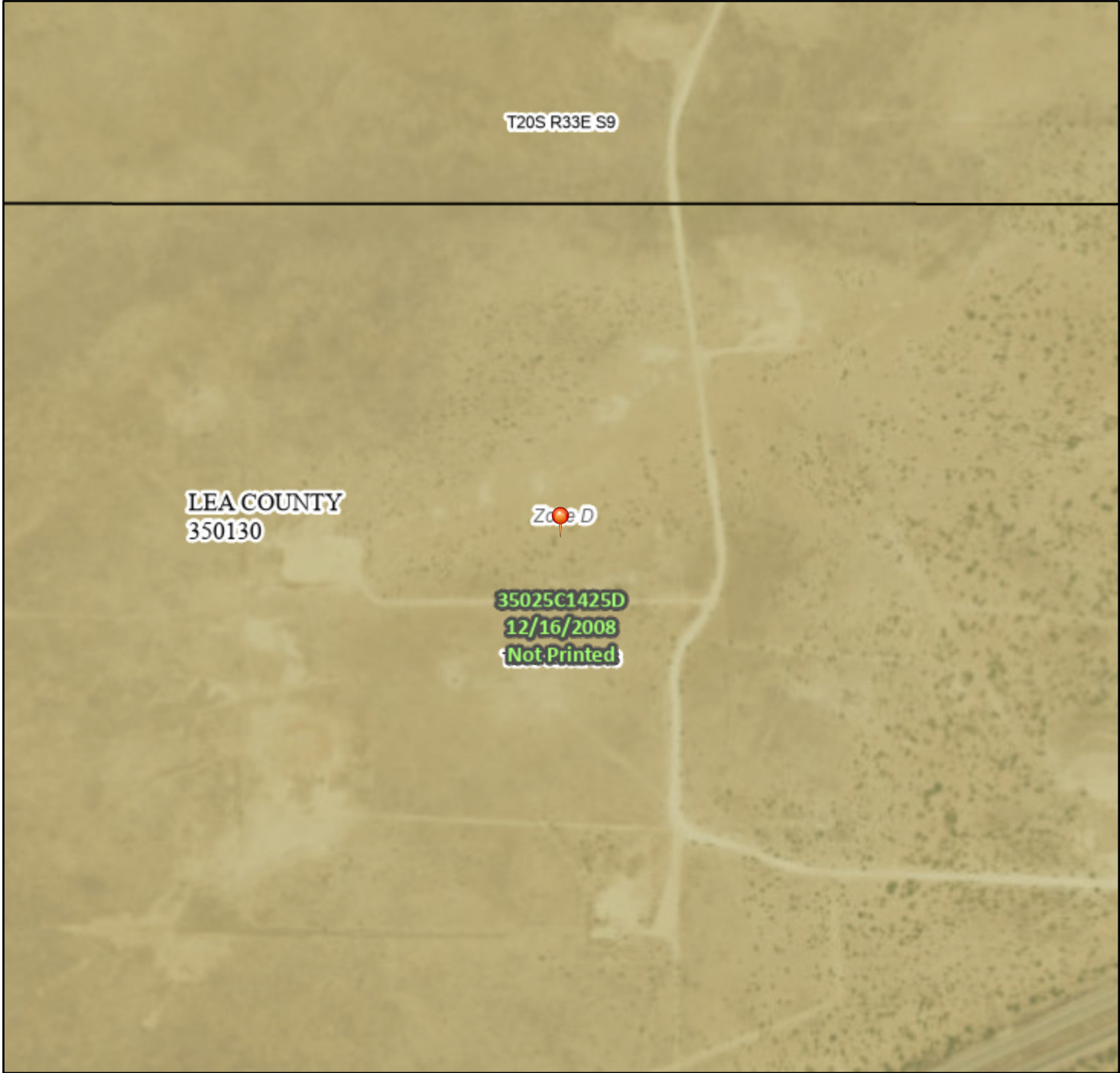
Custom Soil Resource Report

*Hydric soil rating:* No

# National Flood Hazard Layer FIRMette



103°40'36"W 32°34'55"N



1:6,000

103°39'58"W 32°34'25"N

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/13/2023 at 6:18 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



**Appendix III**  
C-141 Forms  
NMOCD Correspondence

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	NAPP2322956610
District RP	
Facility ID	FAPP2301259449
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Matador Resources	OGRID	228937
Contact Name	Clinton Talley	Contact Telephone	337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # (assigned by OCD)	NAPP2322956610
Contact mailing address	5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

### Location of Release Source

Latitude 32.57778 Longitude -103.67142  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Pony Express Fed West Facility Tank Battery	Site Type	
Date Release Discovered	8/17/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
L	16	20S	33E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 4
	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


Line failure

Incident ID	NAPP2322956610
District RP	
Facility ID	FAPP2301259449
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>Clinton Talley</u>	Title: <u>EHS</u>
Signature: <u></u>	Date: <u>12/12/2023</u>
email: <u>clinton.talley@matadorresources.com</u>	Telephone: <u>337-319-8398</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	NAPP2322956610
District RP	
Facility ID	FAPP2301259449
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>325</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	NAPP2322956610
District RP	
Facility ID	FAPP2301259449
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: Clinton Talley Title: EHS Supervisor  
Signature: Clint Talley Date: 12/12/2023  
email: clinton.talley@matadorresources.com Telephone: 337-319-8398

**OCD Only**

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

Incident ID	NAPP2322956610
District RP	
Facility ID	FAPP2301259449
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: Clinton Talley Title: EHS Supervisor  
Signature: Clint Talley Date: 12/12/2023  
email: clinton.talley@matadorresources.com Telephone: 337-319-8398

**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: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**APPROVED**



**From:** [SLO Spills](#)  
**To:** [Chad Hensley](#)  
**Subject:** RE: (Notice of Release) Matador Resources-Pony Express Fed West Facility Tank Battery (nAPP2322956610) 08-16-2023  
**Date:** Monday, August 21, 2023 11:25:45 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

This letter is to confirm that a release notification was received from your office on August 18, 2023. The NMSLO Environmental Compliance Office (ECO) has reviewed the records submitted regarding the subject release. No additional information regarding the subject release is required at this time. Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

### **Cultural Properties Protection Rule (CPP)**

For releases that impact State Trust Land surface beyond previously disturbed areas, responsible parties must comply with the CPP Rule prior to proceeding with any earth disturbance activities. The NMSLO Cultural Resources Office (CRO) is always willing to provide recommendations and facilitate project planning. To request planning assistance please email [croinfo@slo.state.nm.us](mailto:croinfo@slo.state.nm.us) or call 505-827-5781. To learn more about the CPP Rule visit: [nmstatelands.org/divisions/cultural-resources-office/culturalproperties](https://nmstatelands.org/divisions/cultural-resources-office/culturalproperties).

### **90-Day Remediation and Closure**

For releases that are remediated and are closed within 90 days of the discovery date, a written notification of the confirmation sampling event must be submitted to ECO a minimum of two business days from the sampling event. Please submit notifications to [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us) with the subject line as follows: (Document Description) Location Name (Incident #) Date of Release. As an example: *(Sampling Notification) Springsteen A State 001 (NAPP0123456789) 06-01-2022.*

The subsequent remediation closure report must be submitted to ECO for review and approval. Please submit the closure report to [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us) with the subject line *(Closure Report Submittal) Location Name (Incident #) Date of Release.*

### **Extended Remediation and Closure**

For remediation actions that cannot be completed and closed within 90 days of the discovery date, a written remediation plan must be submitted to ECO for review and approval. Please submit the workplan

to [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us) with the subject line *(Remediation Plan Submittal) Location Name (Incident #) Date of Release.*

## Reclamation

Sites that are remediated and being prepared for reclamation must have a written reclamation plan submitted to ECO for review and approval. Note, it is acceptable to combine the remediation and reclamation plan into one document for ECO approval. If the document is a standalone reclamation plan, please submit the plan to [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us) with the subject line *(Reclamation Plan Submittal) Location Name (Incident #) Date of Release.*

Thank you,  
Environmental Compliance Office  
Surface Division  
New Mexico State Land Office  
[nmstatelands.org](http://nmstatelands.org)

---

**From:** Chad Hensley <[chensley@talonlpe.com](mailto:chensley@talonlpe.com)>

**Sent:** Friday, August 18, 2023 8:36 AM

**To:** SLO Spills <[spills@slo.state.nm.us](mailto:spills@slo.state.nm.us)>

**Subject:** [EXTERNAL] (Notice of Release) Matador Resources-Pony Express Fed West Facility Tank Battery (nAPP2322956610) 08-16-2023

### Chad Hensley

Environmental Project Manager

Office: 575.746.8768 x708

Direct: 575.616.4023

Cell: 575.246.0032

Fax: 575.746.8905

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



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**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Nathaniel Rose](#); [Spills@slo.state.nm.us](mailto:Spills@slo.state.nm.us); [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)  
**Cc:** [Chad Hensley](#)  
**Subject:** RE: [EXTERNAL] SAMPLING EVENT  
**Date:** Tuesday, October 17, 2023 9:17:49 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Nathaniel,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

[Shelly Wells](#) \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Nathaniel Rose <nrose@talonlpe.com>  
**Sent:** Tuesday, October 17, 2023 9:00 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; [Spills@slo.state.nm.us](mailto:Spills@slo.state.nm.us)  
**Cc:** Chad Hensley <chensley@talonlpe.com>  
**Subject:** [EXTERNAL] SAMPLING EVENT

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Talon of behalf of Matador will be conducting a sampling event:

Site Name: Pony Express West Tank Battery  
ID#NAPP2322956610  
Sampling date: 10/19/23 @0900 AM  
L-16-20S-33E  
32.57778,-103.67142

**Nathaniel Rose**  
**Environmental Technician I**  
Office: 575.746.8768 x

Cell: 575.706.7071  
Fax: 575.746.8905  
Emergency: 866.742.0742  
Web: [www.talonlpe.com](http://www.talonlpe.com)



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**Matthew Gomez**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Tuesday, November 14, 2023 11:44 AM  
**To:** Matthew Gomez  
**Cc:** Chad Hensley; Bratcher, Michael, EMNRD  
**Subject:** Re: [EXTERNAL] PONY EXPRESS WEST TB NAPP2322956610

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good afternoon Matthew,

Thank you for your correspondence. Your 30-day time extension request is approved. Remediation Due date has been updated to December 14, 2023 within the incident page.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

**Previous email submittal;**

---

**From:** Matthew Gomez <mgomez@talonlpe.com>  
**Sent:** Tuesday, November 14, 2023 10:57 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Chad Hensley <chensley@talonlpe.com>  
**Subject:** [EXTERNAL] PONY EXPRESS WEST TB NAPP2322956610

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern. Talon of behalf of Matador is requesting a 30 day extension for the Pony Express West TB to complete the closure report.

Location: L-16-20S-33E  
Lat & Long: 32.57778,-103.67142  
Incident Number: NAPP2322956610

**Matthew Gomez**

**Environmental Project Manager**

Office: 575.746.8768 x710

Cell: 575.942.0688

Fax: 575.746.8905

Emergency: 866.742.0742

Web: [[www.talonlpe.com](http://www.talonlpe.com)][www.talonlpe.com](http://www.talonlpe.com)



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---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, November 14, 2023 11:31 AM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] PONY EXPRESS WEST TB NAPP2322956610

---

**From:** Matthew Gomez <mgomez@talonlpe.com>  
**Sent:** Tuesday, November 14, 2023 10:57 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Chad Hensley <chensley@talonlpe.com>  
**Subject:** [EXTERNAL] PONY EXPRESS WEST TB NAPP2322956610

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern. Talon of behalf of Matador is requesting a 30 day extension for the Pony Express West TB to complete the closure report.

Location: L-16-20S-33E  
Lat & Long: 32.57778,-103.67142  
Incident Number: NAPP2322956610

**Matthew Gomez**

**Environmental Project Manager**

Office: 575.746.8768 x710

Cell: 575.942.0688

Fax: 575.746.8905

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



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## **Appendix IV**

### Photographic Documentation





Pony Express West Tank Battery  
Lea County, NM

DIRECTION  
207 deg(T)

32.57776°N  
103.67140°W

ACCURACY 5 m  
DATUM WGS84

A wide-angle photograph of an industrial site. In the foreground, there is a large, flat, sandy area with some dark, irregular stains, likely the spill area mentioned in the description. In the background, there are various industrial structures, including a tall metal tower, a large storage tank, and several smaller buildings or containers. The sky is blue with scattered white clouds.

Pony express west

2023-08-17  
09:59:11-06:00

Photograph No.1 Description:	Spill area.
---------------------------------	-------------

DIRECTION  
101 deg(T)

32.57773°N  
103.67180°W

ACCURACY 5 m  
DATUM WGS84

A closer photograph of the industrial site. In the foreground, there are large white pipes and a white electrical control box. In the background, there are several large, rectangular industrial tanks or storage containers, some with corrugated metal roofs. The ground is sandy and there are some dark stains. The sky is blue with scattered white clouds.

Pony express west

2023-08-17  
10:00:27-06:00

Photograph No.2 Description:	Spill area.
---------------------------------	-------------





Pony Express West Tank Battery  
Lea County, NM



**Photograph No.3**  
Description:

Excavation area around infrastructure



**Photograph No.4**  
Description:

Excavation area around infrastructure.





Pony Express West Tank Battery  
Lea County, NM



**Photograph No.5**  
**Description:**

Backfilled excavation around infrastructure.



**Photograph No.6**  
**Description:**

Backfilled excavation around flare gas line.



## **Appendix V**

### Laboratory Analytical Reports

Report to:  
Chad Hensley



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Talon LPE

Project Name: Pony Express West

Work Order: E308138

Job Number: 23052-0001

Received: 8/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/24/23

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: 8/24/23



Chad Hensley  
408 W Texas Ave  
Artesia, NM 88210

Project Name: Pony Express West  
Workorder: E308138  
Date Received: 8/18/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2023 8:15:00AM, under the Project Name: Pony Express West.

The analytical test results summarized in this report with the Project Name: Pony Express West 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

Talon LPE	Project Name:	Pony Express West	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	08/24/23 16:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E308138-01A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-1 2'	E308138-02A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-1 4'	E308138-03A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-2R 1'	E308138-04A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-3 1'	E308138-05A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-3 2'	E308138-06A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-3 4'	E308138-07A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-4 1'	E308138-08A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-4 2'	E308138-09A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-4 4'	E308138-10A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-5 1' R	E308138-11A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-6 1'	E308138-12A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-6 2'	E308138-13A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.
S-6 4'	E308138-14A	Soil	08/17/23	08/18/23	Glass Jar, 4 oz.



## Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Pony Express West Project Number: 23052-0001 Project Manager: Chad Hensley	<b>Reported:</b> 8/24/2023 4:39:28PM
---	--	---

S-1 1'

E308138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2333070	
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.1 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2333070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.3 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2333076	
Diesel Range Organics (C10-C28)	38.9	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>	106 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2333079	
Chloride	1260	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-1 2'

E308138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.5 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.9 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	535	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-1 4'

E308138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	733	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-2R 1'

E308138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	485	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	317	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	1170	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-3 1'

E308138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.9 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	202	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-3 2'

E308138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	343	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-3 4'

E308138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	471	20.0	1	08/18/23	08/22/23	





## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-4 1'

E308138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	310	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-4 2'

E308138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.4 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	432	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-4 4'

E308138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2333070	
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2333070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2333076	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/21/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		08/18/23	08/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2333079	
Chloride	984	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

## S-5 1' R

## E308138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.1 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	95.9	25.0	1	08/18/23	08/22/23	
Oil Range Organics (C28-C36)	63.4	50.0	1	08/18/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
	96.4 %	50-200		08/18/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	2090	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-6 1'

E308138-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.4 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		08/18/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	119	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-6 2'

E308138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		08/18/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	976	20.0	1	08/18/23	08/22/23	



## Sample Data

Talon LPE  
408 W Texas Ave  
Artesia NM, 88210

Project Name: Pony Express West  
Project Number: 23052-0001  
Project Manager: Chad Hensley

**Reported:**  
8/24/2023 4:39:28PM

S-6 4'

E308138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Benzene	ND	0.0250	1	08/18/23	08/22/23	
Ethylbenzene	ND	0.0250	1	08/18/23	08/22/23	
Toluene	ND	0.0250	1	08/18/23	08/22/23	
o-Xylene	ND	0.0250	1	08/18/23	08/22/23	
p,m-Xylene	ND	0.0500	1	08/18/23	08/22/23	
Total Xylenes	ND	0.0250	1	08/18/23	08/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333070
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/23	08/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		08/18/23	08/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2333076
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/23	08/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/23	08/22/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		08/18/23	08/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333079
Chloride	631	20.0	1	08/18/23	08/22/23	



## QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Pony Express West Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 8/24/2023 4:39:28PM
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## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2333070-BLK1)

Prepared: 08/18/23 Analyzed: 08/22/23

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	6.64		8.00		83.0	70-130			

## LCS (2333070-BS1)

Prepared: 08/18/23 Analyzed: 08/22/23

Benzene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.7	0.0250	15.0		97.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.75		8.00		84.4	70-130			

## Matrix Spike (2333070-MS1)

Source: E308138-01

Prepared: 08/18/23 Analyzed: 08/22/23

Benzene	4.95	0.0250	5.00	ND	99.0	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133			
Toluene	4.93	0.0250	5.00	ND	98.6	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			

## Matrix Spike Dup (2333070-MSD1)

Source: E308138-01

Prepared: 08/18/23 Analyzed: 08/22/23

Benzene	5.17	0.0250	5.00	ND	103	54-133	4.26	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133	4.13	20	
Toluene	5.15	0.0250	5.00	ND	103	61-130	4.28	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	4.34	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	4.21	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	4.25	20	
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			





QC Summary Data

Talon LPE	Project Name:	Pony Express West	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	8/24/2023 4:39:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333070-BLK1) Prepared: 08/18/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.55		8.00		81.9	70-130			

LCS (2333070-BS2) Prepared: 08/18/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.68		8.00		83.5	70-130			

Matrix Spike (2333070-MS2) Source: E308138-01 Prepared: 08/18/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.3	70-130			

Matrix Spike Dup (2333070-MSD2) Source: E308138-01 Prepared: 08/18/23 Analyzed: 08/22/23

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.3	70-130	4.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		8.00		83.0	70-130			



## QC Summary Data

Talon LPE	Project Name:	Pony Express West	<b>Reported:</b>
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	8/24/2023 4:39:28PM

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

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2333076-BLK1)

Prepared: 08/18/23 Analyzed: 08/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.3		50.0		109	50-200			

## LCS (2333076-BS1)

Prepared: 08/18/23 Analyzed: 08/21/23

Diesel Range Organics (C10-C28)	249	25.0	250		99.4	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

## Matrix Spike (2333076-MS1)

Source: E308131-01

Prepared: 08/18/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	8950	500	250	10700	NR	38-132			M4
Surrogate: n-Nonane	49.7		50.0		99.5	50-200			

## Matrix Spike Dup (2333076-MSD1)

Source: E308131-01

Prepared: 08/18/23 Analyzed: 08/22/23

Diesel Range Organics (C10-C28)	6480	500	250	10700	NR	38-132	31.9	20	M4, R2
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			



QC Summary Data

Talon LPE	Project Name:	Pony Express West	Reported:
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	8/24/2023 4:39:28PM

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 (2333079-BLK1)					Prepared: 08/18/23 Analyzed: 08/22/23				
Chloride	ND	20.0							
LCS (2333079-BS1)					Prepared: 08/18/23 Analyzed: 08/22/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2333079-MS1)					Source: E308138-01		Prepared: 08/18/23 Analyzed: 08/22/23		
Chloride	1470	20.0	250	1260	85.2	80-120			
Matrix Spike Dup (2333079-MSD1)					Source: E308138-01		Prepared: 08/18/23 Analyzed: 08/22/23		
Chloride	1810	20.0	250	1260	221	80-120	20.7	20	M4, R2

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

Talon LPE	Project Name:	Pony Express West	
408 W Texas Ave	Project Number:	23052-0001	Reported:
Artesia NM, 88210	Project Manager:	Chad Hensley	08/24/23 16:39

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R2 The RPD exceeded the acceptance limit.
- 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: Talon LPE  
 Project: Pony Express West  
 Project Manager:  
 Address: 408 W. Texas Ave  
 City, State, Zip: Artesia, NM 88210  
 Phone: 575-746-8768  
 Email: chensley@talonlpe.com  
 Report due by:

Bill To  
 Attention: Matador Resources  
 Address:  
 City, State, Zip  
 Phone:  
 Email:

Lab Use Only  
 Lab WO#: E308/38 Job Number: 23052-0001  
 Analysis and Method  
 1D 2D 3D Standard X  
 EPA Program  
 CWA SDWA  
 RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	XL GDOC	State	Remarks
0805	8/17/23	Soil	1	S-1	1	X	X			X			NM	
0816				↓ 2'	2								CO	
0813				↓ 4'	3								UT	
0819				S-2 R 1'	4								AZ	
0826				S-3 1'	5								TX	
0832				↓ 2'	6									
0855				↓ 4'	7									
0901				S-4 1'	8									
0907				↓ 2'	9									
0913				↓ 4'	10									

## 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.

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
<u>[Signature]</u>	8/17/23	16:10	<u>[Signature]</u>	8/17/23	16:10	Received on ice: <u>Y</u> / N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
<u>[Signature]</u>	8/17/23	16:38	<u>[Signature]</u>	8/17/23	18:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
<u>[Signature]</u>	8/18/23	07:15	<u>[Signature]</u>	8/18/23	8:15	4

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

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

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

## Project Information

## Chain of Custody

Page 2 of 2

Client: Talon LPE		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Ray Express West</u>		Attention: <u>Matador Resources</u>		Lab WO# <u>E308138</u>		Job Number <u>23052-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address:		E308138		23052-0001					X		
Address: 408 W. Texas Ave		City, State, Zip		Analysis and Method								RCRA	
City, State, Zip Artesia, NM 88210		Phone:											
Phone: 575-746-8768		Email:											
Email: chensley@talonlpe.com													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	GDOC TX	Remarks
0916	8-17-23	Soil	1	5-5 1' R	11	X	X		X				
0932				5-6 1'	12								
0936				2'	13								
0940				4'	14								

## 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.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
		8-17-23	16:10			8-17-23	16:10	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
		8-17-23	16:38			8-17-23	16:30		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C	
		8-18-23	01:15			8/18/23	8:15	4	

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

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

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

## Envirotech Analytical Laboratory

Printed: 8/18/2023 10:40:09AM

## 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:	Talon LPE	Date Received:	08/18/23 08:15	Work Order ID:	E308138
Phone:	(575) 746-8768	Date Logged In:	08/18/23 09:23	Logged In By:	Caitlin Mars
Email:	chensley@talonlpe.com	Due Date:	08/24/23 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: CourierComments/Resolution

Project manager not listed on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

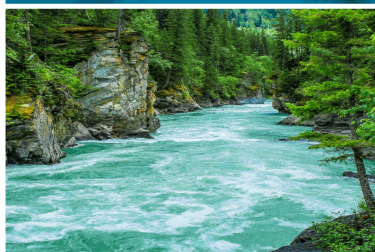
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Chad Hensley



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pony Express West

Work Order: E310192

Job Number: 23042-0001

Received: 10/20/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/23/23

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: 10/23/23

Chad Hensley  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pony Express West  
Workorder: E310192  
Date Received: 10/20/2023 8:10:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/20/2023 8:10:00AM, under the Project Name: Pony Express West.

The analytical test results summarized in this report with the Project Name: Pony Express West 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**

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Laboratory Technical Representative  
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**Michelle Golzaes**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/23 14:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 4.5'	E310192-01A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-2 4.5'	E310192-02A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-3 4.5'	E310192-03A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-4 4.5'	E310192-04A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-5 4.5'	E310192-05A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-6 4.5'	E310192-06A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-7 4.5'	E310192-07A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-8 4.5'	E310192-08A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-9 4.5'	E310192-09A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-10 2.5'	E310192-10A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
C-11 2.5'	E310192-11A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-1	E310192-12A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-2	E310192-13A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-3	E310192-14A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-4	E310192-15A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-5	E310192-16A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-6	E310192-17A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-7	E310192-18A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-8	E310192-19A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-9	E310192-20A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-10	E310192-21A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-11	E310192-22A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-12	E310192-23A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.
SW-13	E310192-24A	Soil	10/19/23	10/20/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	<b>Reported:</b> 10/23/2023 2:00:20PM
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## C-1 4.5'

## E310192-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
Surrogate: 4-Bromochlorobenzene-PID	91.8 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
Surrogate: n-Nonane	107 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	287	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-2 4.5'

E310192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	748	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-3 4.5'

E310192-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	263	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-4 4.5'

E310192-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	273	20.0	1	10/20/23	10/20/23	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-5 4.5'

E310192-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	260	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-6 4.5'

E310192-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	54.3	25.0	1	10/20/23	10/23/23	
Oil Range Organics (C28-C36)	93.0	50.0	1	10/20/23	10/23/23	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		10/20/23	10/23/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	346	100	5	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-7 4.5'

E310192-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	415	200	10	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-8 4.5'

E310192-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.8 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>	102 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	459	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

C-9 4.5'

E310192-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		10/20/23	10/20/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	429	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## C-10 2.5'

## E310192-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	245	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## C-11 2.5'

## E310192-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2342111
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2342111
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342106
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2342109
Chloride	277	20.0	1	10/20/23	10/20/23	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-1

## E310192-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	277	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-2

## E310192-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	266	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-3

## E310192-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	113	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-4

## E310192-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	92.5	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-5

## E310192-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	258	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-6

## E310192-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	76.3	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-7

## E310192-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/20/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/20/23	
Toluene	ND	0.0250	1	10/20/23	10/20/23	
o-Xylene	ND	0.0250	1	10/20/23	10/20/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/20/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.0 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	70-130		10/20/23	10/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>	105 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	409	20.0	1	10/20/23	10/21/23	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-8

## E310192-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	406	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-9

## E310192-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342106	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342109	
Chloride	259	20.0	1	10/20/23	10/21/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-10

## E310192-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342107	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342110	
Chloride	229	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-11

## E310192-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342107	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342110	
Chloride	271	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-12

## E310192-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342107	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342110	
Chloride	232	20.0	1	10/20/23	10/20/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/23/2023 2:00:20PM

## SW-13

## E310192-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Benzene	ND	0.0250	1	10/20/23	10/21/23	
Ethylbenzene	ND	0.0250	1	10/20/23	10/21/23	
Toluene	ND	0.0250	1	10/20/23	10/21/23	
o-Xylene	ND	0.0250	1	10/20/23	10/21/23	
p,m-Xylene	ND	0.0500	1	10/20/23	10/21/23	
Total Xylenes	ND	0.0250	1	10/20/23	10/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2342094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/23	10/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		10/20/23	10/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342107	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/21/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/20/23	10/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2342110	
Chloride	414	100	5	10/20/23	10/20/23	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/23/2023 2:00:20PM

## Volatile Organics by EPA 8021B

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 (2342094-BLK1)

Prepared: 10/20/23 Analyzed: 10/21/23

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	7.62		8.00		95.3	70-130			

## LCS (2342094-BS1)

Prepared: 10/20/23 Analyzed: 10/21/23

Benzene	4.88	0.0250	5.00		97.6	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.85	0.0250	5.00		97.0	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.6	70-130			

## Matrix Spike (2342094-MS1)

Source: E310184-01

Prepared: 10/20/23 Analyzed: 10/21/23

Benzene	4.68	0.0250	5.00	ND	93.6	54-133			
Ethylbenzene	4.56	0.0250	5.00	ND	91.2	61-133			
Toluene	4.63	0.0250	5.00	ND	92.7	61-130			
o-Xylene	4.58	0.0250	5.00	ND	91.5	63-131			
p,m-Xylene	9.28	0.0500	10.0	ND	92.8	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

## Matrix Spike Dup (2342094-MSD1)

Source: E310184-01

Prepared: 10/20/23 Analyzed: 10/21/23

Benzene	5.24	0.0250	5.00	ND	105	54-133	11.4	20	
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133	11.6	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	11.4	20	
o-Xylene	5.15	0.0250	5.00	ND	103	63-131	11.8	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	11.5	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	11.6	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/23/2023 2:00:20PM

## Volatile Organics by EPA 8021B

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 (2342111-BLK1)

Prepared: 10/20/23 Analyzed: 10/20/23

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	7.61		8.00		95.2	70-130			

## LCS (2342111-BS1)

Prepared: 10/20/23 Analyzed: 10/20/23

Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.23	0.0250	5.00		105	70-130			
o-Xylene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			

## Matrix Spike (2342111-MS1)

Source: E310192-02

Prepared: 10/20/23 Analyzed: 10/20/23

Benzene	5.32	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.3	70-130			

## Matrix Spike Dup (2342111-MSD1)

Source: E310192-02

Prepared: 10/20/23 Analyzed: 10/20/23

Benzene	5.21	0.0250	5.00	ND	104	54-133	2.11	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	1.51	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	1.50	20	
o-Xylene	5.16	0.0250	5.00	ND	103	63-131	2.10	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.49	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	1.69	20	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		94.9	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/23/2023 2:00:20PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2342094-BLK1) Prepared: 10/20/23 Analyzed: 10/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

LCS (2342094-BS2) Prepared: 10/20/23 Analyzed: 10/21/23

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2342094-MS2) Source: E310184-01 Prepared: 10/20/23 Analyzed: 10/21/23

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

Matrix Spike Dup (2342094-MSD2) Source: E310184-01 Prepared: 10/20/23 Analyzed: 10/21/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130	4.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/23/2023 2:00:20PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2342111-BLK1) Prepared: 10/20/23 Analyzed: 10/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

LCS (2342111-BS2) Prepared: 10/20/23 Analyzed: 10/20/23

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

Matrix Spike (2342111-MS2) Source: E310192-02 Prepared: 10/20/23 Analyzed: 10/20/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

Matrix Spike Dup (2342111-MSD2) Source: E310192-02 Prepared: 10/20/23 Analyzed: 10/20/23

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.1	70-130	2.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	Reported:  10/23/2023 2:00:20PM
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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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<b>Blank (2342106-BLK1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.1		50.0		106	50-200			

<b>LCS (2342106-BS1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	48.9		50.0		97.8	50-200			

<b>Matrix Spike (2342106-MS1)</b>					<b>Source: E310192-05</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			

<b>Matrix Spike Dup (2342106-MSD1)</b>					<b>Source: E310192-05</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	4.52	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	Reported:  10/23/2023 2:00:20PM
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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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<b>Blank (2342107-BLK1)</b>					Prepared: 10/20/23 Analyzed: 10/21/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

<b>LCS (2342107-BS1)</b>					Prepared: 10/20/23 Analyzed: 10/21/23				
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			

<b>Matrix Spike (2342107-MS1)</b>					<b>Source: E310132-07</b>		Prepared: 10/20/23 Analyzed: 10/21/23		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

<b>Matrix Spike Dup (2342107-MSD1)</b>					<b>Source: E310132-07</b>		Prepared: 10/20/23 Analyzed: 10/21/23		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	7.78	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	Reported:  10/23/2023 2:00:20PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2342109-BLK1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Chloride	ND	20.0							
<b>LCS (2342109-BS1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Chloride	255	20.0	250		102	90-110			
<b>Matrix Spike (2342109-MS1)</b>					<b>Source: E310192-05</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Chloride	521	20.0	250	260	104	80-120			
<b>Matrix Spike Dup (2342109-MSD1)</b>					<b>Source: E310192-05</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Chloride	531	20.0	250	260	108	80-120	1.92	20	





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	Reported:  10/23/2023 2:00:20PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2342110-BLK1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Chloride	ND	20.0							
<b>LCS (2342110-BS1)</b>					Prepared: 10/20/23 Analyzed: 10/20/23				
Chloride	244	20.0	250		97.8	90-110			
<b>Matrix Spike (2342110-MS1)</b>					<b>Source: E310192-22</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Chloride	502	20.0	250	271	92.5	80-120			
<b>Matrix Spike Dup (2342110-MSD1)</b>					<b>Source: E310192-22</b>		Prepared: 10/20/23 Analyzed: 10/20/23		
Chloride	514	20.0	250	271	97.4	80-120	2.42	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

Matador Resources, LLC.	Project Name:	Pony Express West	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
Dallas TX, 75240	Project Manager:	Chad Hensley	10/23/23 14:00

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

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

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



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## Project Information

## Chain of Custody

Page 2 of 3

2 day Rush

Client: <u>Martador</u> Project: <u>Pony Express West</u> Project Manager: <u>C. Housley</u> Address: <u>408 W Texas</u> City, State, Zip: <u>Artesia NM 88210</u> Phone: <u>575-746-7868</u> Email: <u>Alfred@TalonIDE.com</u> Report due by:					Bill To Attention: <u>Talon IDE</u> Address: City, State, Zip Phone: Email:					Lab Use Only Lab WO#: <u>E310192</u> Job Number: <u>23042-0001</u> Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005-TX							
1110	10-19-23	Soil	1	C-11 25'	11	X	X	X			X									
1119				SW-1	12															
1121				SW-2	13															
1128				SW-3	14															
1141				SW-4	15															
1146				SW-5	16															
1152				SW-6	17															
1159				SW-7	18															
1215				SW-8	19															
1220				SW-9	20															

**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.

Sampled by: Camille

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only:	
<u>Camille</u>		10-19-23	1830	<u>Camille</u>		10-19-23	1830	Received on ice: <u>Y/N</u>	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
<u>Andrew</u>		10-19-23	1830	<u>Andrew</u>		10-19-23	1830		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C	
<u>Andrew</u>		10-19-23	2400	<u>Carth</u>		10-20-23	8:10	4	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time		

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

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

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

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## Envirotech Analytical Laboratory

Printed: 10/20/2023 11:12:48AM

## 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:	Matador Resources, LLC.	Date Received:	10/20/23 08:10	Work Order ID:	E310192
Phone:	(972) 371-5200	Date Logged In:	10/20/23 08:17	Logged In By:	Caitlin Mars
Email:		Due Date:	10/23/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Time sampled not provided on Samples #22-24.

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:  
Chad Hensley



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pony Express West

Work Order: E310257

Job Number: 23042-0001

Received: 10/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/26/23

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: 10/26/23

Chad Hensley  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pony Express West  
Workorder: E310257  
Date Received: 10/25/2023 6:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2023 6:15:00AM, under the Project Name: Pony Express West.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/26/23 13:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-6 5'	E310257-01A	Soil	10/24/23	10/25/23	Glass Jar, 2 oz.
C-2 5'	E310257-02A	Soil	10/24/23	10/25/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	<b>Reported:</b> 10/26/2023 1:46:01PM
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## C-6 5'

## E310257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2343058	
Benzene	ND	0.0250	1	10/25/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/25/23	
Toluene	ND	0.0250	1	10/25/23	10/25/23	
o-Xylene	ND	0.0250	1	10/25/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/25/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.3 %	70-130		10/25/23	10/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2343058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.3 %	70-130		10/25/23	10/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2343054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/25/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/25/23	10/25/23	
<i>Surrogate: n-Nonane</i>	82.3 %	50-200		10/25/23	10/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2343068	
Chloride	470	20.0	1	10/25/23	10/25/23	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pony Express West  
Project Number: 23042-0001  
Project Manager: Chad Hensley

**Reported:**  
10/26/2023 1:46:01PM

C-2 5'

E310257-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2343058	
Benzene	ND	0.0250	1	10/25/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/25/23	10/25/23	
Toluene	ND	0.0250	1	10/25/23	10/25/23	
o-Xylene	ND	0.0250	1	10/25/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/25/23	10/25/23	
Total Xylenes	ND	0.0250	1	10/25/23	10/25/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	10/25/23	10/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2343058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/23	10/25/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	10/25/23	10/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2343054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/25/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/25/23	10/25/23	
<i>Surrogate: n-Nonane</i>		84.7 %	50-200	10/25/23	10/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2343068	
Chloride	389	20.0	1	10/25/23	10/25/23	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/26/2023 1:46:01PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2343058-BLK1)

Prepared: 10/25/23 Analyzed: 10/25/23

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	7.54		8.00		94.3	70-130			

## LCS (2343058-BS1)

Prepared: 10/25/23 Analyzed: 10/25/23

Benzene	4.78	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.5	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

## Matrix Spike (2343058-MS1)

Source: E310257-02

Prepared: 10/25/23 Analyzed: 10/25/23

Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.56	0.0250	5.00	ND	91.1	61-133			
Toluene	4.75	0.0250	5.00	ND	95.0	61-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	63-131			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

## Matrix Spike Dup (2343058-MSD1)

Source: E310257-02

Prepared: 10/25/23 Analyzed: 10/25/23

Benzene	5.02	0.0250	5.00	ND	100	54-133	5.38	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	5.63	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	5.56	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	5.28	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	5.48	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131	5.41	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/26/2023 1:46:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343058-BLK1) Prepared: 10/25/23 Analyzed: 10/25/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2343058-BS2) Prepared: 10/25/23 Analyzed: 10/25/23

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

Matrix Spike (2343058-MS2) Source: E310257-02 Prepared: 10/25/23 Analyzed: 10/25/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.8	70-130			

Matrix Spike Dup (2343058-MSD2) Source: E310257-02 Prepared: 10/25/23 Analyzed: 10/25/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	91.9	70-130	3.45	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pony Express West	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	10/26/2023 1:46:01PM

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 (2343054-BLK1)					Prepared: 10/25/23 Analyzed: 10/25/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.5		50.0		82.9	50-200			

LCS (2343054-BS1)					Prepared: 10/25/23 Analyzed: 10/25/23				
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132			
Surrogate: n-Nonane	43.3		50.0		86.5	50-200			

Matrix Spike (2343054-MS1)					Source: E310229-01		Prepared: 10/25/23 Analyzed: 10/25/23		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.4	38-132			
Surrogate: n-Nonane	42.1		50.0		84.1	50-200			

Matrix Spike Dup (2343054-MSD1)					Source: E310229-01		Prepared: 10/25/23 Analyzed: 10/25/23		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	2.22	20	
Surrogate: n-Nonane	39.5		50.0		79.1	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pony Express West Project Number: 23042-0001 Project Manager: Chad Hensley	Reported:  10/26/2023 1:46:01PM
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Anions by EPA 300.0/9056A

Analyst: RAS

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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<b>Blank (2343068-BLK1)</b>					Prepared: 10/25/23 Analyzed: 10/25/23				
Chloride	ND	20.0							
<b>LCS (2343068-BS1)</b>					Prepared: 10/25/23 Analyzed: 10/25/23				
Chloride	247	20.0	250		98.8	90-110			
<b>Matrix Spike (2343068-MS1)</b>					<b>Source: E310250-21</b>		Prepared: 10/25/23 Analyzed: 10/25/23		
Chloride	252	20.0	250	ND	101	80-120			
<b>Matrix Spike Dup (2343068-MSD1)</b>					<b>Source: E310250-21</b>		Prepared: 10/25/23 Analyzed: 10/25/23		
Chloride	249	20.0	250	ND	99.4	80-120	1.16	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

Matador Resources, LLC.	Project Name:	Pony Express West	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
Dallas TX, 75240	Project Manager:	Chad Hensley	10/26/23 13:46

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

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

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





envirotech



## Envirotech Analytical Laboratory

Printed: 10/25/2023 12:31:34PM

## 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:	Matador Resources, LLC.	Date Received:	10/25/23 06:15	Work Order ID:	E310257
Phone:	(972) 371-5200	Date Logged In:	10/24/23 16:56	Logged In By:	Caitlin Mars
Email:		Due Date:	10/25/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## Appendix VI

### Analytical Data Tables

**Table 1**  
Site Assessment Analytical Data

Pony Express West TB									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/17/23	1'	ND	ND	ND	38.9	ND	38.9	1260
	8/17/23	2'	ND	ND	ND	ND	ND	-	535
	8/17/23	4'	ND	ND	ND	ND	ND	-	733
S-2	8/17/23	1'R	ND	ND	485.0	317.0	ND	802.0	1170
S-3	8/17/23	1'	ND	ND	ND	ND	ND	-	202
	8/17/23	2'	ND	ND	ND	ND	ND	-	343
	8/17/23	4'	ND	ND	ND	ND	ND	-	471
S-4	8/17/23	1'	ND	ND	ND	ND	ND	-	310
	8/17/23	2'	ND	ND	ND	ND	ND	-	432
	8/17/23	4'	ND	ND	ND	ND	ND	-	984
S-5	8/17/23	1'R	ND	ND	95.9	63.4	ND	159.3	2090
S-6	8/17/23	1'	ND	ND	ND	ND	ND	-	119
	8/17/23	2'	ND	ND	ND	ND	ND	-	976
	8/17/23	4'	ND	ND	ND	ND	ND	-	631

**NOTES:**

**BGS** Below ground surface  
**mg/kg** Milligrams per kilogram  
**TPH** Total Petroleum Hydrocarbons  
**GRO** Gasoline range organics  
**DRO** Diesel range organics  
**MRO** Motor oil range organics  
**S** Sample  
**R** Refusal  
**ND** Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD  
 Table 1 Closure Criteria

**Table 2**  
Site Closure Analytical Data

Pony Express West TB									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
SW-1	10/19/2023		ND	ND	ND	ND	ND	-	277.0
SW-2	10/19/2023		ND	ND	ND	ND	ND	-	266.0
SW-3	10/19/2023		ND	ND	ND	ND	ND	-	113.0
SW-4	10/19/2023		ND	ND	ND	ND	ND	-	92.5
SW-5	10/19/2023		ND	ND	ND	ND	ND	-	258.0
SW-6	10/19/2023		ND	ND	ND	ND	ND	-	76.3
SW-7	10/19/2023		ND	ND	ND	ND	ND	-	409.0
SW-8	10/19/2023		ND	ND	ND	ND	ND	-	406.0
SW-9	10/19/2023		ND	ND	ND	ND	ND	-	259.0
SW-10	10/19/2023		ND	ND	ND	ND	ND	-	229.0
SW-11	10/19/2023		ND	ND	ND	ND	ND	-	271.0
SW-12	10/19/2023		ND	ND	ND	ND	ND	-	232.0
SW-13	10/19/2023		ND	ND	ND	ND	ND	-	414.0
C-1	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	287.0
C-2	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	748.0
	10/24/2023	5'	ND	ND	ND	ND	ND	-	389.0
C-3	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	263.0
C-4	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	273.0
C-5	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	260.0
C-6	10/19/2023	4.5'	ND	ND	ND	54.3	93.0	147.3	346.0
	10/24/2023	5'	ND	ND	ND	ND	ND	-	470.0
C-7	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	415.0
C-8	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	459.0
C-9	10/19/2023	4.5'	ND	ND	ND	ND	ND	-	429.0
C-10	10/19/2023	2.5'	ND	ND	ND	ND	ND	-	245.0
C-11	10/19/2023	2.5'	ND	ND	ND	ND	ND	-	277.0

**NOTES:**

**BGS** Below ground surface  
**mg/kg** Milligrams per kilogram  
**TPH** Total Petroleum Hydrocarbons  
**GRO** Gasoline range organics  
**DRO** Diesel range organics  
**MRO** Motor oil range organics  
**C** Confirmation Sample  
**SW** Sidewall Sample  
**ND** Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD  
 Table 1 Closure Criteria

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District III**

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 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

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

QUESTIONS

Action 293911

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 293911
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2322956610
Incident Name	NAPP2322956610 PONY EXPRESS WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2301259449] Pony Express Fed West Facility Tank Battery

**Location of Release Source**

Please answer all the questions in this group.

Site Name	PONY EXPRESS WEST TB
Date Release Discovered	08/16/2023
Surface Owner	State

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Produced Water   Released: 10 BBL   Recovered: 4 BBL   Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 293911

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 293911
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 12/13/2023
--	--



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QUESTIONS, Page 3

Action 293911

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 293911
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS****Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS  
  
Action 293911

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 293911
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/29/2023