

Volume calculator

There was no volume calculator prepared when the spill occurred.

Devon Energy Production Company, LP
6488 Seven Rivers Hwy
Artesia, NM 88210
575-748-0167

June 19, 2024

Bureau of Land Management
620 East Green St
Carlsbad, NM, 88220

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

Re: Site Characterization and Remediation Closure Report
Lusitano 27 34 Federal Com 336H
API No. 30-015-44425
GPS: Latitude 32.107908 Longitude -103.759158
ULSTR – A – 27 – 25S – 31E Lot: 3 200 FNL 1360 FWL Eddy County, NM
NMOCD Incident ID nAPM2316346908

This release was discovered by the operator on June 1, 2018. The initial C-141 was submitted on June 15, 2018 (OCD Online: Permitting -> Incident Details -> Well Files). This incident was assigned Incident ID nAPM2316346908 by the New Mexico Oil Conservation Division (NMOCD).

Release Information

nAPM2316346908: A contract water transfer company started their transfer pump and had valve going to a frac tank opened, they over filled the frac tank allowing the release to occur. Approximately 70.1 bbls of produced water was released and 2 bbls were recovered. An environmental contractor will be contacted to assist with delineation and remediation efforts.

Site Information and Site Characterization

The Lusitano 27 34 Federal Com 336H (Lusitano) is located approximately twenty (20) miles southeast of Malaga, NM. The release area is in Unit A, Section 27, Township 25S, Range 31E, Latitude 32.107908 Longitude -103.759158, Eddy County, NM. A Location Map can be found in Figure 2.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is made up of eolian and piedmont deposits; Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The drainage class in this area is: Well drained (Appendix B). A Topographic Map can be found in Figure 3. The nearest surface water feature is Red Bluff Reservoir located approximately 13.7 miles to the southwest of this site. There is a medium potential for karst geology to be present around the Lusitano (Figure 4).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is greater than 390 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 493 feet BGS. The groundwater information from OSE C-04619-POD1 is approximately 0.25 miles away from this site and logged in June of 2022. Depth to groundwater at the Lusitano will be classified as 51-100' (BGS). Referenced water surveys and water-related maps can be found in Appendix A.

Site Assessment and Soil Sampling Results

On November 9, 2023, Pima mobilized personnel to the site to collect soil samples from the release area for the purpose of delineating the release. Samples were collected from 12 different sample locations for vertical delineation. From these sample points, samples were collected from 1', 2', 3', and 4' bgs. Samples were also collected from 33 different sample points for horizontal delineation. From these sample points, composite samples consisting of depths from 0-4' bgs were collected. A total of 81 samples were collected, put

on ice, jarred, and delivered to the lab for official testing. All samples were tested for all constituents. The Lab Results table and Corresponding Map can be found in Figure 1.

Prior to collecting these samples, the shared pad area for this well and 5 others was reduced in size. This event now categorizes over half of the release area as "off-pad." Included in the soil sample report, S-2 North showed chloride levels at 2' bgs were over 600 mg/kg, however, this sample point location remains on the existing pad which places it under the regulatory limit of Table 1 19.15.29 NMAC. Also included in the report, SW 2 South showed total TPH levels were over 100 mg/kg, however this sample point location also remains on the existing pad which places it under the regulatory limit of Table 1 19.15.29 NMAC. Regarding showing complete delineation, however, a new sample for SW 2 South will need to be collected from a sample point that is laterally stepped out further away from the original point.

On June 8, 2024, Pima personnel returned to site to collect a new composite sample to represent SW 2 South. The new sample point was stepped off two feet further away from the original. A composite sample consisting of depths 0-4' bgs was collected, put on ice, jarred, and delivered to Envirotech Labs for official testing. This sample was tested for all constituents. Complete Laboratory Reports can be found in Appendix E.

Photographic Documentation can be found in Appendix D.

Closure Request

On behalf of Devon, Pima requests that this incident, nAPM2316346908, be closed. Devon has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

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

Devon Energy – Dale Woodall – dale.woodall@dvn.com – 575-748-0167

Pima Environmental – Tom Bynum – tom@pimaoil.com – 580-748-1613

Attachments

Figures:

- 1- Lab Results & Corresponding Maps
- 2- Location Map
- 3- Topographic Map
- 4- Karst Map

Appendices:

- Appendix A – Referenced Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – 48-Hour Notification & NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Figures:

1 - Lab Results & Corresponding Maps

2 - Location Map

3 - Topographic Map

4 - Karst Map

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100') | | | | | | | | |
|--|-------------|--------------------------------|---------------|-----------|-----------|-----------|-----------------|----------|
| DEVON ENERGY - LUSITANO 27 34 FED COM 336H - nAPM2316346908 | | | | | | | | |
| Date: 11/9/23 | | NM Approved Laboratory Results | | | | | | |
| Sample ID | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| S-1 North | 1' | ND | ND | ND | ND | ND | 0 | 122 |
| | 2' | ND | ND | ND | ND | ND | 0 | 519 |
| | 3' | ND | ND | ND | ND | ND | 0 | 390 |
| | 4' | ND | ND | ND | ND | ND | 0 | 135 |
| S-2 North | 1' | ND | ND | ND | ND | ND | 0 | 140 |
| | 2' | ND | ND | ND | ND | ND | 0 | 623 |
| | 3' | ND | ND | ND | ND | ND | 0 | 369 |
| | 4' | ND | ND | ND | ND | ND | 0 | 381 |
| S-3 North | 1' | ND | ND | ND | ND | ND | 0 | 122 |
| | 2' | ND | ND | ND | ND | ND | 0 | 449 |
| | 3' | ND | ND | ND | ND | ND | 0 | 348 |
| | 4' | ND | ND | ND | ND | ND | 0 | 133 |
| S-4 North | 1' | ND | ND | ND | ND | ND | 0 | 131 |
| | 2' | ND | ND | ND | ND | ND | 0 | 439 |
| | 3' | ND | ND | ND | ND | ND | 0 | 299 |
| | 4' | ND | ND | ND | ND | ND | 0 | 143 |
| S-5 North | 1' | ND | ND | ND | ND | ND | 0 | 148 |
| | 2' | ND | ND | ND | ND | ND | 0 | 413 |
| | 3' | ND | ND | ND | ND | ND | 0 | 322 |
| | 4' | ND | ND | ND | ND | ND | 0 | 179 |
| S-6 North | 1' | ND | ND | ND | ND | ND | 0 | 207 |
| | 2' | ND | ND | ND | ND | ND | 0 | 432 |
| | 3' | ND | ND | ND | ND | ND | 0 | 129 |
| | 4' | ND | ND | ND | ND | ND | 0 | 135 |
| SW 1 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 41.2 |
| SW 2 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 38.3 |
| SW 3 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 31.4 |
| SW 4 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 30 |
| SW 5 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 31 |
| SW 6 North | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 45.2 |
| SW 7 | 0-4' Comp | ND | ND | ND | 26.2 | ND | 26.2 | 40.1 |
| SW 8 | 0-4' Comp | ND | ND | ND | 37.4 | ND | 37.4 | 39.4 |
| SW 9 | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 35 |
| SW 10 | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 26.7 |
| SW 11 | 0-4' Comp | ND | ND | ND | 27.6 | ND | 27.6 | 38.1 |
| SW 12 | 0-4' Comp | ND | ND | ND | 26.1 | ND | 26.1 | 43.3 |
| SW 13 | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 33.7 |
| SW 14 | 0-4' Comp | ND | ND | ND | 26.1 | ND | 26.1 | 42.9 |
| SW 15 | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 33.2 |
| BG 1 | 6" | ND | ND | ND | ND | ND | 0 | 41.3 |
| | 1' | ND | ND | ND | ND | ND | 0 | 28.5 |

| | | | | | | | | |
|-------------|-----------|----|----|----|------|-----|-------|------|
| S-1 South | 2' | ND | ND | ND | ND | ND | 0 | 63.7 |
| | 3' | ND | ND | ND | ND | ND | 0 | 55.2 |
| | 4' | ND | ND | ND | ND | ND | 0 | 262 |
| S-2 South | 1' | ND | ND | ND | ND | ND | 0 | 27.3 |
| | 2' | ND | ND | ND | ND | ND | 0 | 62.6 |
| | 3' | ND | ND | ND | ND | ND | 0 | 53.2 |
| | 4' | ND | ND | ND | ND | ND | 0 | 315 |
| S-3 South | 1' | ND | ND | ND | ND | ND | 0 | 26.2 |
| | 2' | ND | ND | ND | ND | ND | 0 | 59 |
| | 3' | ND | ND | ND | ND | ND | 0 | 56.2 |
| | 4' | ND | ND | ND | ND | ND | 0 | 266 |
| S-4 South | 1' | ND | ND | ND | ND | ND | 0 | 26.6 |
| | 2' | ND | ND | ND | ND | ND | 0 | 58.6 |
| | 3' | ND | ND | ND | ND | ND | 0 | 31.7 |
| | 4' | ND | ND | ND | ND | ND | 0 | 331 |
| S-5 South | 1' | ND | ND | ND | ND | ND | 0 | 27.5 |
| | 2' | ND | ND | ND | ND | ND | 0 | 54.8 |
| | 3' | ND | ND | ND | ND | ND | 0 | 34.6 |
| | 4' | ND | ND | ND | ND | ND | 0 | 103 |
| S-6 South | 1' | ND | ND | ND | ND | ND | 0 | 29.3 |
| | 2' | ND | ND | ND | ND | ND | 0 | 55.3 |
| | 3' | ND | ND | ND | ND | ND | 0 | 303 |
| | 4' | ND | ND | ND | ND | ND | 0 | 262 |
| SW 1 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 294 |
| SW 2 South | 0-4' Comp | ND | ND | ND | 34.4 | 200 | 234.4 | 309 |
| SW 3 South | 0-4' Comp | ND | ND | ND | 58.8 | ND | 58.8 | 263 |
| SW 4 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 203 |
| SW 5 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 198 |
| SW 6 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 262 |
| SW 7 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 182 |
| SW 8 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 152 |
| SW 9 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 140 |
| SW 10 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 197 |
| SW 11 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 461 |
| SW 12 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 197 |
| SW 13 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 214 |
| SW 14 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 286 |
| SW 15 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 209 |
| SW 16 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 229 |
| SW 17 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 200 |
| SW 18 South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 232 |

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')
DEVON ENERGY - LUSITANO 27 34 FED COM 336H - nAPM2316346908
Date: 6/8/24
NM Approved Laboratory Results

| Sample ID | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
|-----------|-------------|------------|---------------|-----------|-----------|-----------|-----------------|----------|
| SW2-South | 0-4' Comp | ND | ND | ND | ND | ND | 0 | 138 |

Devon Energy
API #30-015-44425
Eddy County, NM
nAPM2316346908
Site Map



- Background sample
- Horizontal delineation samples
- Release area - 24,677 sqft
- Vertical delineation samples

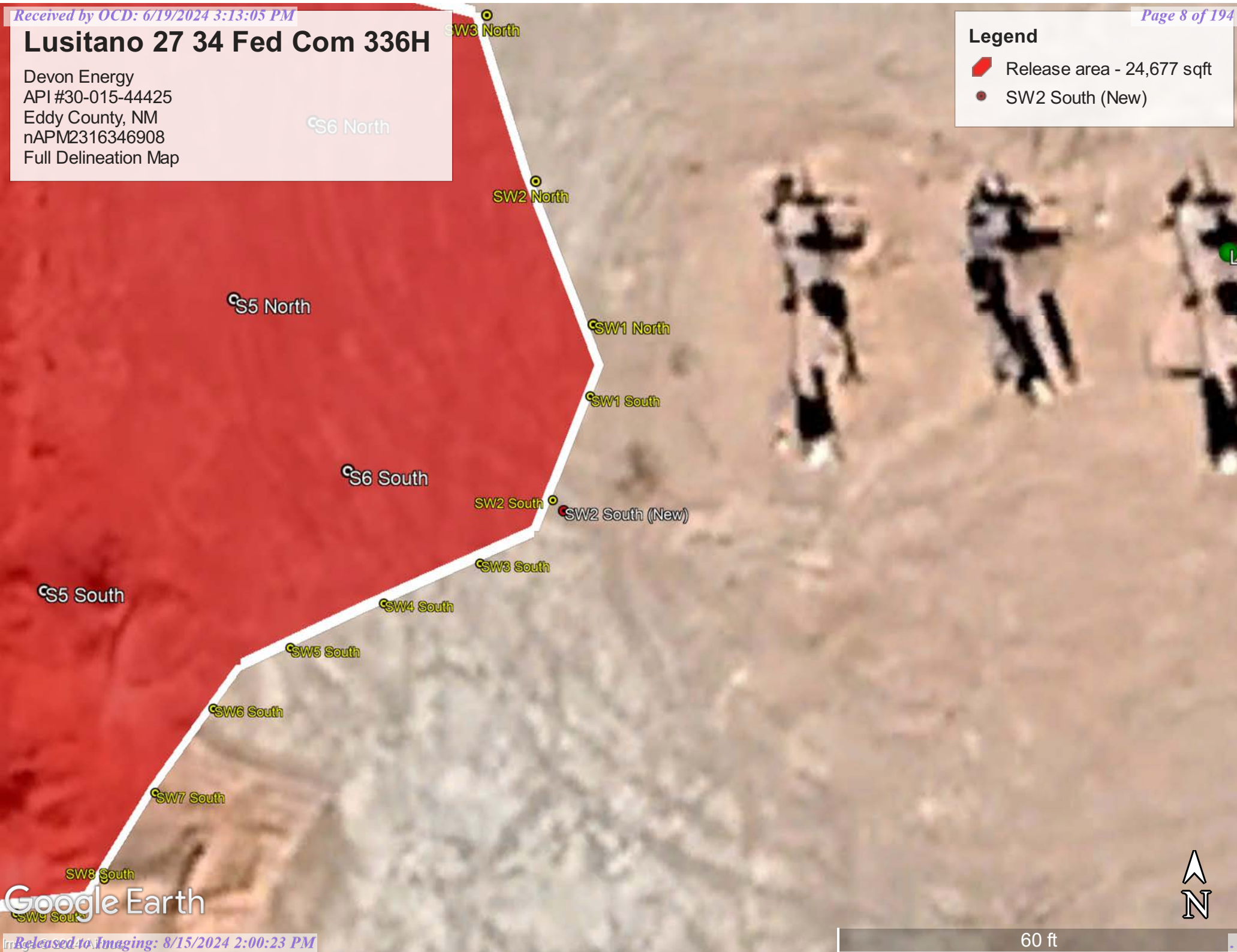


Lusitano 27 34 Fed Com 336H

Devon Energy
API #30-015-44425
Eddy County, NM
nAPM2316346908
Full Delineation Map

Legend

-  Release area - 24,677 sqft
-  SW2 South (New)

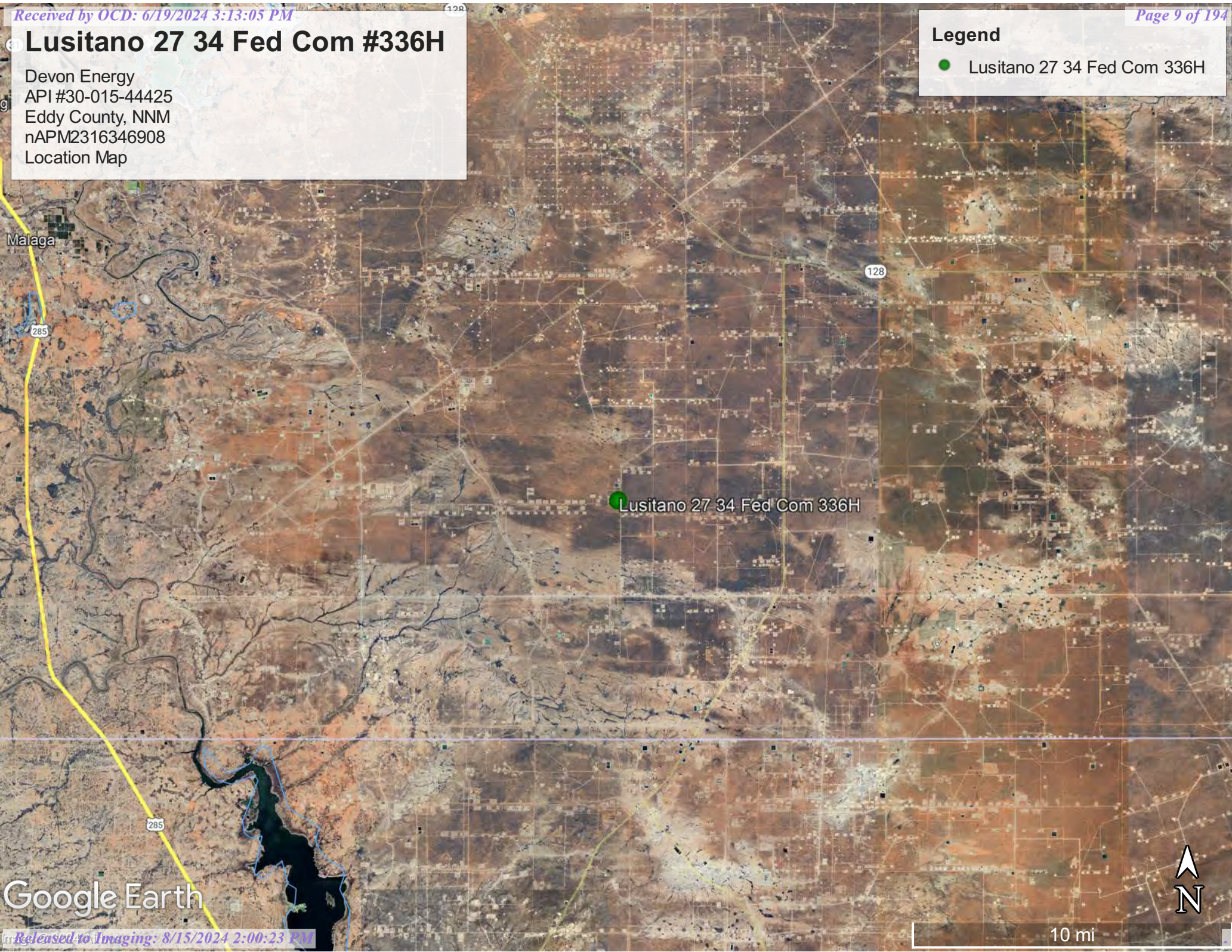


Lusitano 27 34 Fed Com #336H

Devon Energy
API #30-015-44425
Eddy County, NNM
nAPM2316346908
Location Map

Legend

● Lusitano 27 34 Fed Com 336H



Google Earth

10 mi

Lusitano 27 34 Fed Com #336H

Devon Energy
API #30-015-44425
Eddy County, NNM
nAPM2316346908
Topographic Map

Legend

- Lusitano 27 34 Fed Com 336H

Lusitano 27 34 Fed Com 336H






4000 ft

Google Earth

Lusitano 27 34 Fed Com #336H

Devon Energy
API #30-015-44425
Eddy County, NNM
nAPM2316346908
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Lusitano 27 34 Fed Com 336H



1 mi

Google Earth



Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

Fema Flood Map

Wetlands Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | DepthWell | DepthWater | Water Column |
|------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-----------|------------|--------------|
| C 04619 POD1 | | CUB | ED | 2 | 1 | 2 | 27 | 25S | 31E | 616750 | 3552958 | 340 | 55 | | |
| C 02250 | | CUB | ED | 3 | 1 | 4 | 21 | 25S | 31E | 614912 | 3553620* | 2228 | 400 | 390 | 10 |
| C 04500 POD1 | | CUB | ED | 4 | 4 | 1 | 28 | 25S | 31E | 614620 | 3552380 | 2546 | | | |

Average Depth to Water:

Minimum Depth:

Maximum Depth:

390 feet

390 feet

390 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 617071.57

Northing (Y): 3553069.86

Radius: 3000

*UTM location was derived from PLSS - see Help

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


5/24/24 12:26 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) | | | | | | (NAD83 UTM in meters) | |
|-------------------------------------|--------------|--|-----|------------|---------------|--------------------------------|-----|------------------------------|---|
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| NA | C 04619 POD1 | 2 | 1 | 2 | 27 | 25S | 31E | 616750 | 3552958  |
| x | | | | | | | | | |
| Driller License: 1249 | | Driller Company: | | | | ATKINS ENGINEERING ASSOC. INC. | | | |
| Driller Name: | | ATKINS, JACKIE D.UELENER | | | | | | | |
| Drill Start Date: 06/02/2022 | | Drill Finish Date: | | | | 06/02/2022 | | Plug Date: 06/06/2022 | |
| Log File Date: 06/10/2022 | | PCW Rcv Date: | | | | Source: | | | |
| Pump Type: | | Pipe Discharge Size: | | | | Estimated Yield: 0 GPM | | | |
| Casing Size: | | Depth Well: | | | | 55 feet | | Depth Water: | |
| x | | | | | | | | | |
| Casing Perforations: | | | | Top | Bottom | | | | |
| | | | | 0 | 55 | | | | |
| x | | | | | | | | | |

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

5/24/24 12:26 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

| | | | | | | | |
|---|---|---------------------------|--|--|--|--|--------------------------------|
| 1. GENERAL AND WELL LOCATION | OSE POD NO. (WELL NO.) POD 1 (TW-1) | | WELL TAG ID NO. N/A | | OSE FILE NO(S). C-4619 | | |
| | WELL OWNER NAME(S) Devon Energy | | | | PHONE (OPTIONAL) 575-748-1838 | | |
| | WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy | | | | CITY Artesia | STATE NM | |
| | | | | | ZIP 88210 | | |
| | WELL LOCATION (FROM GPS) | DEGREES LATITUDE 32 | MINUTES 6 | SECONDS 24.94 | N | * ACCURACY REQUIRED: ONE TENTH OF A SECOND | |
| | LONGITUDE 103 | 45 | 45.26 | W | * DATUM REQUIRED: WGS 84 | | |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NW NE Sec.27 T25S R31S NMPM | | | | | | | |
| 2. DRILLING & CASING INFORMATION | LICENSE NO. 1249 | | NAME OF LICENSED DRILLER Jackie D. Atkins | | | NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc. | |
| | DRILLING STARTED 6/2/2022 | | DRILLING ENDED 6/2/2022 | | DEPTH OF COMPLETED WELL (FT) Temporary Well | | |
| | | | BORE HOLE DEPTH (FT) ±55 | | DEPTH WATER FIRST ENCOUNTERED (FT) N/A | | |
| | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) | | | | STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A | | |
| | DATE STATIC MEASURED 6/7/2022 | | | | | | |
| | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: | | | | | | |
| | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger | | | | | | |
| | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> | | | | | | |
| | DEPTH (feet bgl) | | BORE HOLE DIAM (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter) | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) |
| | FROM | TO | | | | | |
| 0 | 55 | ±6.5 | Boring-HSA | -- | -- | -- | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| 3. ANNULAR MATERIAL | DEPTH (feet bgl) | | BORE HOLE DIAM. (inches) | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL | AMOUNT (cubic feet) | METHOD OF PLACEMENT | |
| | FROM | TO | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

FOR OSE INTERNAL USE


WR-20 WELL RECORD & LOG (Version 01/28/2022)

| | | |
|----------------------|--------------|---------------------|
| FILE NO. C-4619-POD1 | POD NO. POD1 | TRN NO. 725954 |
| LOCATION 255 31E 27 | 2-1-2 | WELL TAG ID NO. N/A |

PAGE 1 OF 2

| 4. HYDROGEOLOGIC LOG OF WELL | DEPTH (feet bgl) | | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units) | WATER BEARING? (YES / NO) | ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm) |
|---|------------------|----|---------------------|--|--|--|
| | FROM | TO | | | | |
| | 0 | 4 | 4 | Sand, Fine-grained, poorly graded, 5 YR 5/3, Reddish Brown | Y ✓ N | |
| | 4 | 24 | 20 | Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/4, Pink | Y ✓ N | |
| | 24 | 55 | 31 | Sand, Fine-grained, poorly graded, unconsolidated, 7.5 YR 7/6, Reddish Yellow | Y ✓ N | |
| | | | | | Y N | |
| | | | | | Y N | |
| | | | | | Y N | |
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| | | | | | Y N | |
| | | | | | Y N | |
| | | | | | Y N | |
| | | | | | Y N | |
| | | | | | Y N | |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: | | | | | TOTAL ESTIMATED WELL YIELD (gpm): 0.00 | |

| 5. TEST; RIG SUPERVISION | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |
|--------------------------|---|--|
| | | MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 24 Lusitano 27 34 Fed Com 734 <div style="text-align: right;">OSE DTI JUN 10 2022 AM 9:22</div> |
| | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt | |

| 6. SIGNATURE | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: | |
|--------------|---|------------------|
| |  Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME | 6/9/2022 DATE |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

| | | |
|---------------------|--------------|--------------------|
| FILE NO. C-4619 | POD NO. POD1 | TRN NO. 725954 |
| LOCATION 255 312 27 | 2-1.2 | WELL TAG ID NO. NA |

PAGE 2 OF 2

OSE POD Location Map



5/24/2024, 1:29:56 PM

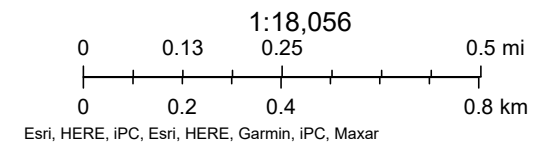
GIS WATERS PODs

Water Right Regulations

● Active

□ Artesian Planning Area

□ OSE District Boundary





[USGS Home](#)
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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320643103465002

Minimum number of levels = 1

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

USGS 320643103465002 25S.31E.21.413314A

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83

Land-surface elevation 3,374.00 feet above NGVD29

The depth of the well is 400 feet below land surface.

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

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

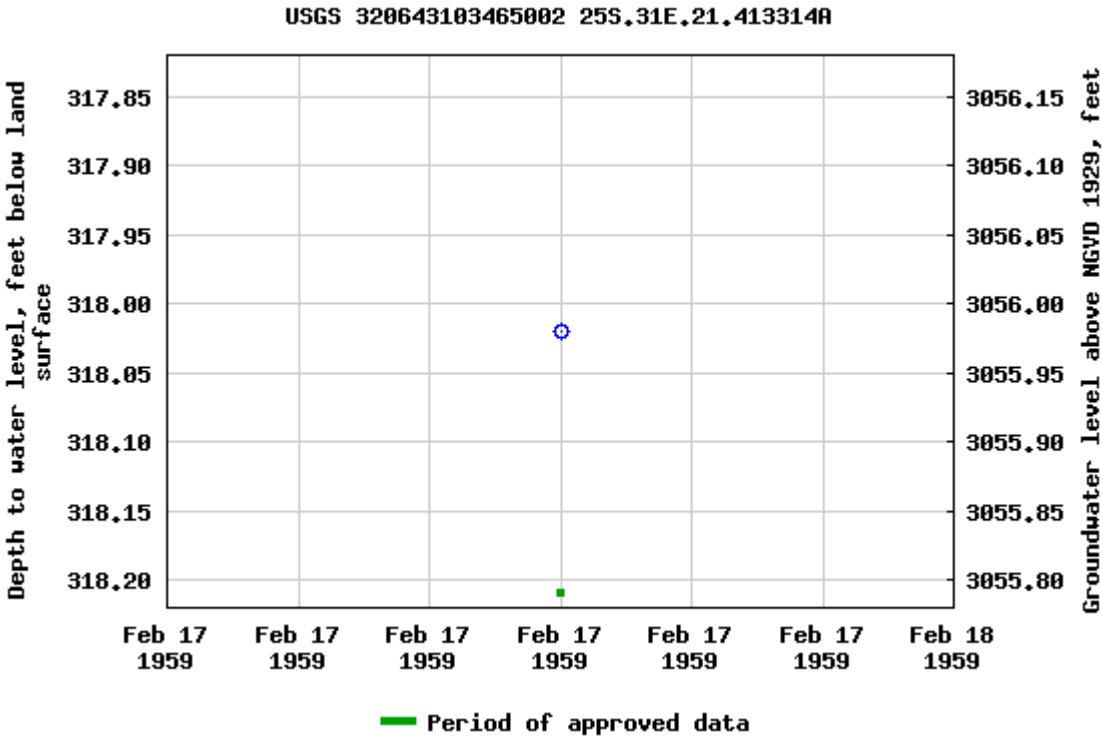
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

- [Questions or Comments](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2024-05-24 14:40:33 EDT
0.64 0.56 nadww01



National Water Information System: Mapper



Lusitano 27 34 Fed Com #336H

Devon Energy
API #30-015-44425
Eddy County, NNM
nAPM2316346908
Surface Water Map

Legend

- 13.7 Miles
- Red Bluff Reservoir

Lusitano 27 34 Fed Com 336H

TEXAS

Red Bluff Reservoir

NEW MEXICO

Google Earth

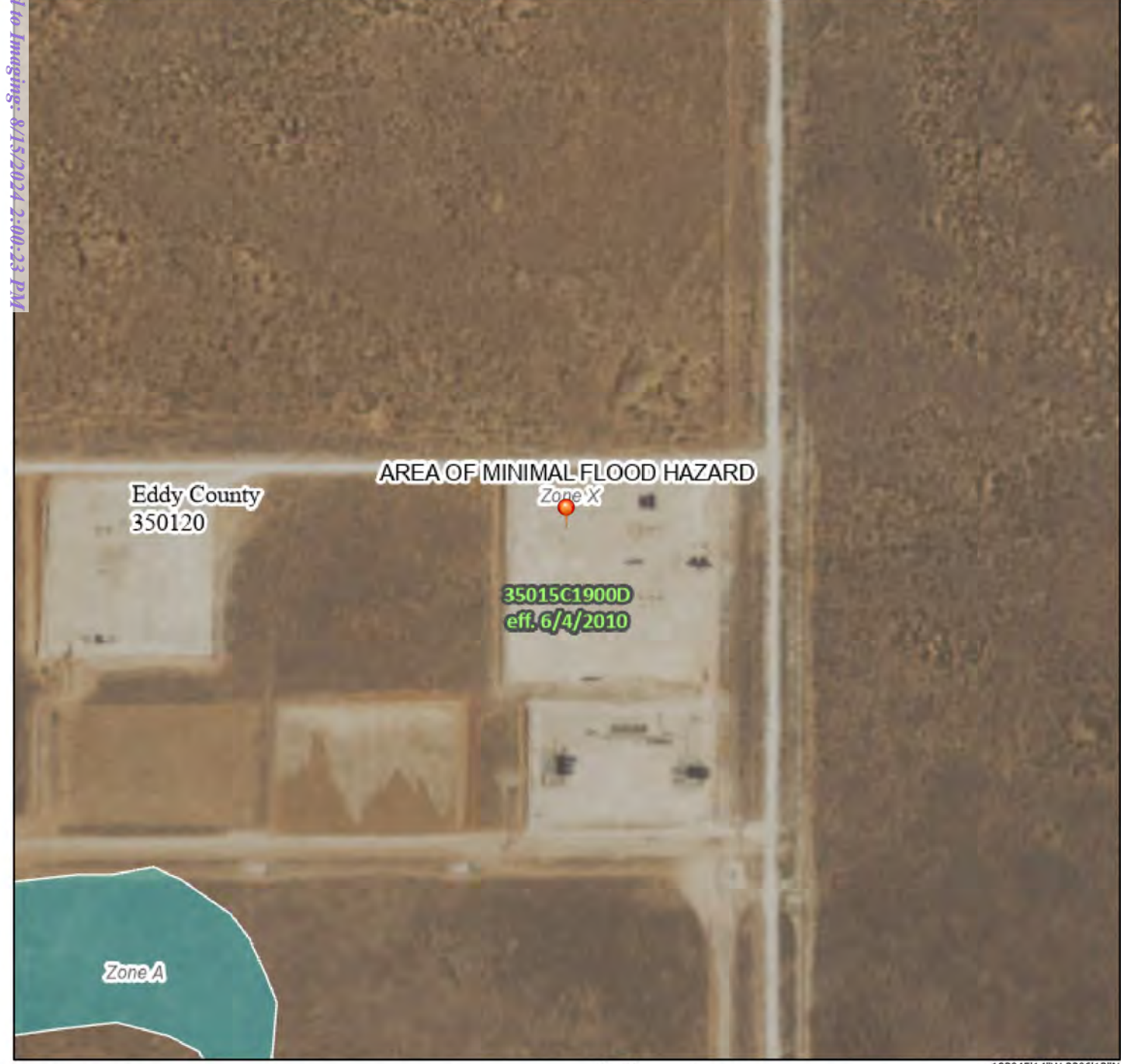
6 mi



National Flood Hazard Layer FIRMMette



103°45'52"W 32°6'44"N



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

1:6,000

103°45'14"W 32°6'13"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

| | | |
|-----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile |
| | | 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 X |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard Zone D |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | Cross Sections with 1% Annual Chance Water Surface Elevation |
| OTHER FEATURES | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| OTHER FEATURES | | Limit of Study |
| | | Jurisdiction Boundary |
| OTHER FEATURES | | Coastal Transect Baseline |
| | | Profile Baseline |
| OTHER FEATURES | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| MAP PANELS | | 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 11/28/2023 at 10:53 AM 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.



Received by OCD: 6/19/2024 3:13:05 PM

Page 22 of 194



November 28, 2023

Wetlands

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

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



Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

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: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Kermi

Percent of map unit: 3 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

5/24/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

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

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

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------------------|---|--------------|----------------|
| BB | Berino complex, 0 to 3 percent slopes, eroded | 23.9 | 100.0% |
| Totals for Area of Interest | | 23.9 | 100.0% |

Lusitano 27 34 Fed Com #336H



Devon Energy
API #30-015-44425
Eddy County, NNM
nAPM2316346908
Geologic Unit Map

Eolian and piedmont deposits

[Detailed description](#)

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

Legend

-  Eolian and piedmont deposits
-  Ogallala Formation

Lusitano 27 34 Fed Com 336H



2 mi

Google Earth



Appendix C

Initial C-141 Form

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

JUN 15 2018

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | |
|---|--|
| Name of Company: Devon Energy Production Co LP (6137) | Contact: Stephen Richards, Completions Foreman |
| Address: PO Box 250, Artesia, NM 88211 | Telephone No: 575-252-3717 |
| Facility Name: Lusitano 27 34 Federal Com 336H | Facility Type: Oil Well |

| | | |
|------------------------|------------------------|----------------------|
| Surface Owner: Federal | Mineral Owner: Federal | API No. 30-015-44425 |
|------------------------|------------------------|----------------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| A | 27 | 25S | 31E | | | | | Eddy |

Latitude 32.107908 N Longitude -103.759158 W NAD83

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release: Produced Water | Volume of Release: 70.1 bbls | Volume Recovered: 2 bbls |
| Source of Release: Frac Tank | Date and Hour of Occurrence 6/1/18; 6:55 PM MST | Date and Hour of Discovery 6/1/18; 6:55 PM MST |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Mike Bratcher and Crystal Weaver - OCD Shelly Tucker - BLM | |
| By Whom? Mike Shoemaker - EHS | Date and Hour: 6/2/18; 3:44 PM MST | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. N/A | |

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

A contract water transfer company started their transfer pump and had valve going to a frac tank opened, they over filled the frac tank allowing the release to occur.

Describe Area Affected and Cleanup Action Taken.*

Approximately 70.1 bbls of produced water was released and 2 bbls were recovered. An environmental contractor will be contacted to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

| | | |
|---------------------------------------|--|---|
| Signature: Michael R. Shoemaker | OIL CONSERVATION DIVISION Signed By <i>[Signature]</i> Approved by Environmental Specialist: | |
| Printed Name: Michael R. Shoemaker | | |
| Title: Environmental Professional | Approval Date: 6/19/18 | Expiration Date: N/A |
| E-mail Address: mike.shoemaker@dv.com | Conditions of Approval: <i>See Attached</i> | Attached <input type="checkbox"/> <i>PP-4815</i> |
| Date: 6/15/2018 Phone: 575-748-3371 | | |

* Attach Additional Sheets If Necessary

6/19/18 AB

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 6/15/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number AP 4815 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 7/15/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dvn.com>
Sent: Friday, June 15, 2018 12:36 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Fulks, Brett; Menoud, Denise
Subject: Luisitano 27-34 FC 336H Spill in the PM
Attachments: Luisitano 27-34 FC 336H_Initial C141 spill 6.1.18 PM.doc; Luisitano 27-34 FC 336H_GIS Image 6.1.18 PM.pdf

Please see attached Initial C-141 on the Spill that occurred the evening of 6/1/18 for the Luisitano 27-34 Fed Com 336H and the GIS image.

Thank you.

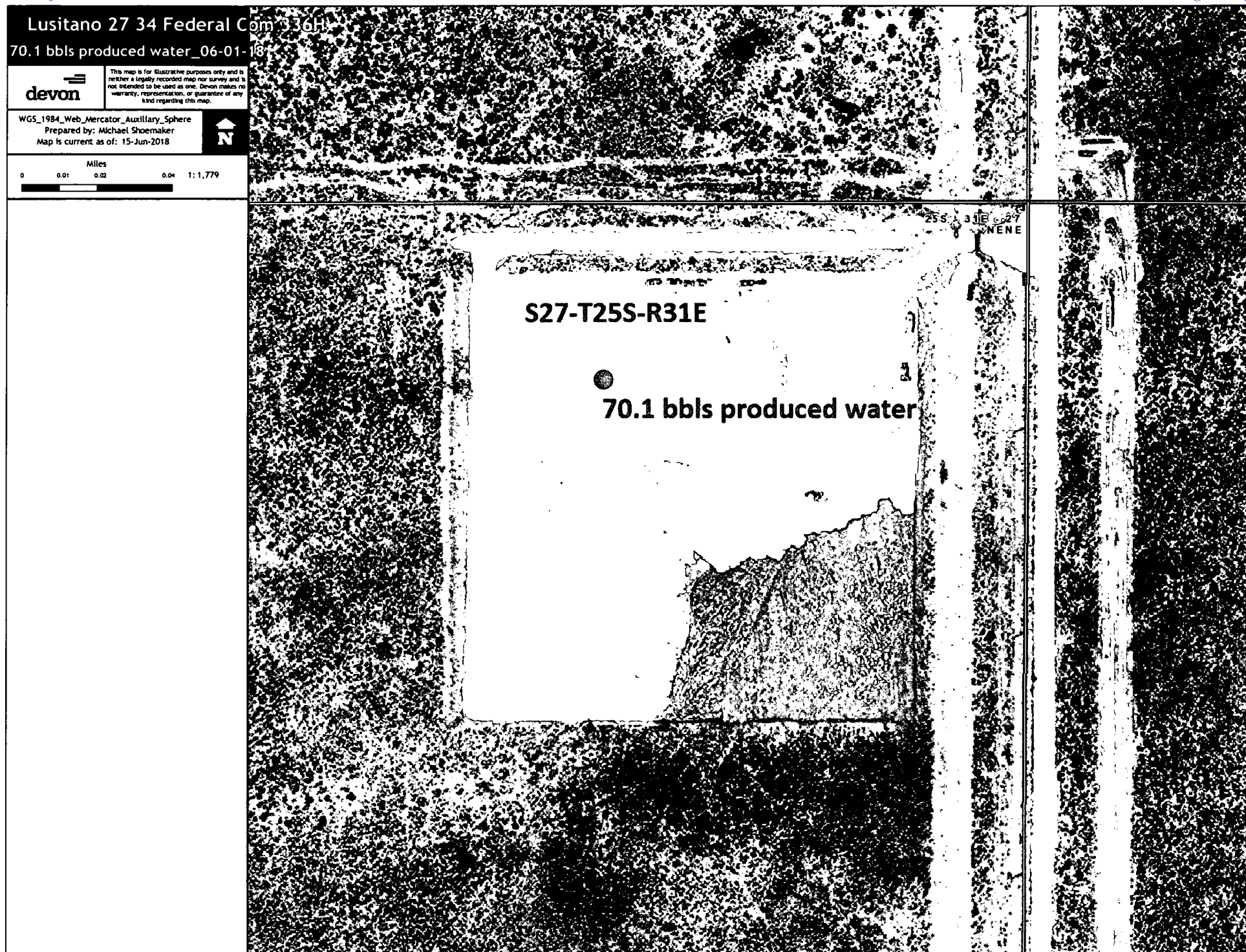
Mike Shoemaker
EHS Representative

Devon Energy Corporation

6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile



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Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dm.com>
Sent: Saturday, June 2, 2018 3:44 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Fulks, Brett
Subject: Lusitano 27-34 Fed Com 336H (API #30-015-44425)

Mike and Shelly,

Devon had the following release occur at 6:55 PM MST on 06/01/18. The incident is described below.

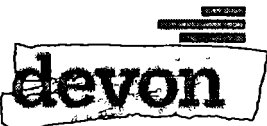
1. Lusitano 27-34 Fed Com 336H (API #30-015-44425)
 - a. A contract water transfer company started their transfer pump and had valve going to a frac tank opened, they over filled the frac tank allowing the release to occur. Approximately 70.1 bbls of produced water was released to the pad surface. All fluids stayed on location. I am currently awaiting final recovered volumes and will update once I have received them.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile



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OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Cancellation Request (C-141C) Application

Submission Information

| | | | |
|-----------------|---|------------|---------|
| Submission ID: | 300006 | Districts: | Artesia |
| Operator: | [6137] DEVON ENERGY PRODUCTION COMPANY, LP | Counties: | Eddy |
| Description: | DEVON ENERGY PRODUCTION COMPANY, LP [6137] , LUSITANO 27 34 FEDERAL COM 336H , nAPM2316346908 | | |
| Status: | REJECTED | | |
| Status Date: | 01/10/2024 | | |
| References (2): | 30-015-44425, nAPM2316346908 | | |

Forms

This application type does not have attachments.

Questions

Prerequisites

| | |
|-------------------|---|
| Incident Operator | [6137] DEVON ENERGY PRODUCTION COMPANY, LP |
| Incident Type | Produced Water Release |
| Incident Status | Initial C-141 Approved |
| Incident Well | [30-015-44425] LUSITANO 27 34 FEDERAL COM #336H |

Searches

Operator Data

Hearing Fee Application

| | |
|-------------------------|------------|
| Date Release Discovered | 06/01/2018 |
| Surface Owner | Federal |

Determination of Cancellation

Please answer all the questions in this group.

| | |
|--|---|
| Incident Cancel Reason | Duplicate incident; reported more than once |
| What is the incident id (n#) that should cause this incident to be cancelled | Not answered. |
| Please provide any additional details on why this incident should be cancelled | This incident appears to be a duplicate of nAB1817140869, which has been closed . |

Acknowledgments

- ☒ I acknowledge that with this application I will be cancelling an existing incident file (assigned to this operator) for a release event, pursuant to 19.15.29 NMAC.
- ☒ I acknowledge that cancelling an incident file will require this operator to (re)file submission(s) of all/any C-141 forms (pursuant to 19.15.29 NMAC), and to create a new incident for the cancelled release event if necessary.
- ☒ I hereby certify the statements in this cancelling report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
- ☒ I acknowledge that the acceptance of any C-141 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
- ☒ I acknowledge that OCD acceptance of any C-141 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

Comments

No comments found for this submission.

Reasons

Summary:

scwells (1/10/2024), The C-141s submitted show there were 2 separate releases on 6/1/2018. This one was for 70.1 bbls of produced water and was discovered at 6:55pm. The closed incident NAB1817140869 was discovered at 10:30am and was 12.43 bbls of produced water. In the emails attached to the C-141s there were different causes for the releases as well.

Go Back



Appendix D

Photographic Documentation



+32.107358,-103.758042
Devon
Lusitano 27-34 Fed Com 336H
North Area
Assessment



+32.107351,-103.758746
Devon
Lusitano 27-34 Fed Com 336H
South Area
Assessment



+32.107358,-103.758042
Devon
Lusitano 27-34 Fed Com 336H
North Area
Assessment



+32.107351,-103.758746
Devon
Lusitano 27-34 Fed Com 336H
South Area
Assessment



+32.107194,-103.758656
Devon
Lusitano 27-34 Fed Com 336H
North Area
Assessment







Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lusitano 27-34 Fed Com 336

Work Order: E311099

Job Number: 01058-0007

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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Farmington, NM 87401

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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.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/22/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Lusitano 27-34 Fed Com 336
Workorder: E311099
Date Received: 11/13/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 8:00:00AM, under the Project Name: Lusitano 27-34 Fed Com 336.

The analytical test results summarized in this report with the Project Name: Lusitano 27-34 Fed Com 336 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

| | | | |
|--------------------------------------|------------------|----------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/23 14:02 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| S1-1' North | E311099-01A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-2' North | E311099-02A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-3' North | E311099-03A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-4' North | E311099-04A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-1' North | E311099-05A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-2' North | E311099-06A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-3' North | E311099-07A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-4' North | E311099-08A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-1' North | E311099-09A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-2' North | E311099-10A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-3' North | E311099-11A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-4' North | E311099-12A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-1' North | E311099-13A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-2' North | E311099-14A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-3' North | E311099-15A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-4' North | E311099-16A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-1' North | E311099-17A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-2' North | E311099-18A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-3' North | E311099-19A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-4' North | E311099-20A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-1' North | E311099-21A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-2' North | E311099-22A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-3' North | E311099-23A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-4' North | E311099-24A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 1 North | E311099-25A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 2 North | E311099-26A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 3 North | E311099-27A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 4 North | E311099-28A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 5 North | E311099-29A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 6 North | E311099-30A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 7 | E311099-31A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 8 | E311099-32A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 9 | E311099-33A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 10 | E311099-34A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 11 | E311099-35A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 12 | E311099-36A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 13 | E311099-37A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 14 | E311099-38A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW 15 | E311099-39A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| BG1 | E311099-40A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S1-1' North

E311099-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.4 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 90.1 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 96.7 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 122 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S1-2' North
E311099-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.9 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 89.8 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | 25.3 | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 92.5 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 519 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S1-3' North

E311099-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.8 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 90.8 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 94.7 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 390 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S1-4' North

E311099-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 99.8 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 90.5 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | 93.7 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 135 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S2-1' North

E311099-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.4 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 90.3 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 140 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S2-2' North
E311099-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.7 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 91.1 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 96.8 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 623 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S2-3' North
E311099-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 99.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 91.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 98.0 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 369 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S2-4' North

E311099-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.4 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 89.9 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 96.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 381 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S3-1' North

E311099-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 98.3 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 98.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 122 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S3-2' North
E311099-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 98.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 92.4 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 94.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 449 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S3-3' North

E311099-11

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 97.2 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.1 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 348 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S3-4' North
E311099-12

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 96.1 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 91.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 96.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 133 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S4-1' North

E311099-13

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.9 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.5 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 102 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 131 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S4-2' North

E311099-14

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/17/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.0 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/17/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.8 % | 70-130 | | 11/14/23 | 11/17/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 94.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 439 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S4-3' North

E311099-15

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 95.1 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 91.9 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | 101 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 299 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S4-4' North
E311099-16

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.4 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.6 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 97.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 143 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S5-1' North

E311099-17

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 93.8 % | 70-130 | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346035 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 91.3 % | 70-130 | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | 96.4 % | 50-200 | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346069 |
| Chloride | 148 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S5-2' North
E311099-18

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 94.0 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 92.2 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 94.3 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 413 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S5-3' North
E311099-19

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 93.6 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 92.3 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 91.6 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 322 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S5-4' North

E311099-20

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 93.8 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346035 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 91.8 % | 70-130 | | 11/14/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | 96.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346069 | |
| Chloride | 179 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S6-1' North

E311099-21

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 93.9 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 207 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S6-2' North

E311099-22

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 94.5 % | 70-130 | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 91.7 % | 70-130 | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 104 % | 50-200 | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 432 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

S6-3' North

E311099-23

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 93.8 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.9 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 107 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 129 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S6-4' North
E311099-24

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.0 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.4 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 135 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 1 North

E311099-25

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.5 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 115 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 41.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 2 North

E311099-26

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.4 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.1 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 107 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 38.3 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW 3 North
E311099-27

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 96.5 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 91.9 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| Surrogate: n-Nonane | 106 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 31.4 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 4 North

E311099-28

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.8 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.8 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 30.0 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW 5 North
E311099-29

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.5 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 110 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 31.0 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW 6 North
E311099-30

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.5 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 114 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 45.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 7

E311099-31

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.5 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.0 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | 26.2 | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 111 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 40.1 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW 8

E311099-32

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 97.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 92.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | 37.4 | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| Surrogate: n-Nonane | 112 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 39.4 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 9

E311099-33

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.0 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.7 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 110 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 35.0 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 10

E311099-34

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 26.7 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 11

E311099-35

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 95.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 92.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | 27.6 | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| Surrogate: n-Nonane | 103 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 38.1 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 12

E311099-36

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 91.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | 26.1 | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 102 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 43.3 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 13

E311099-37

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 102 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 33.7 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 14

E311099-38

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | 26.1 | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 42.9 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:02:18PM

SW 15

E311099-39

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346059 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346048 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 110 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346070 |
| Chloride | 33.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

BG1

E311099-40

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 93.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346059 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2346048 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/15/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/15/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 107 % | 50-200 | | 11/15/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346070 | |
| Chloride | 41.3 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2346035-BLK1) Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.93 | | 8.00 | | 99.2 | 70-130 | | | |

LCS (2346035-BS1) Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| Benzene | 5.17 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| Ethylbenzene | 5.02 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| Toluene | 5.19 | 0.0250 | 5.00 | | 104 | 70-130 | | | |
| o-Xylene | 5.15 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| p,m-Xylene | 10.4 | 0.0500 | 10.0 | | 104 | 70-130 | | | |
| Total Xylenes | 15.5 | 0.0250 | 15.0 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.09 | | 8.00 | | 101 | 70-130 | | | |

Matrix Spike (2346035-MS1) Source: E311099-04 Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.96 | 0.0250 | 5.00 | ND | 99.1 | 54-133 | | | |
| Ethylbenzene | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 61-133 | | | |
| Toluene | 4.98 | 0.0250 | 5.00 | ND | 99.6 | 61-130 | | | |
| o-Xylene | 4.93 | 0.0250 | 5.00 | ND | 98.6 | 63-131 | | | |
| p,m-Xylene | 9.91 | 0.0500 | 10.0 | ND | 99.1 | 63-131 | | | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 99.0 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.09 | | 8.00 | | 101 | 70-130 | | | |

Matrix Spike Dup (2346035-MSD1) Source: E311099-04 Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 5.07 | 0.0250 | 5.00 | ND | 101 | 54-133 | 2.28 | 20 | |
| Ethylbenzene | 4.92 | 0.0250 | 5.00 | ND | 98.4 | 61-133 | 2.45 | 20 | |
| Toluene | 5.10 | 0.0250 | 5.00 | ND | 102 | 61-130 | 2.28 | 20 | |
| o-Xylene | 5.06 | 0.0250 | 5.00 | ND | 101 | 63-131 | 2.49 | 20 | |
| p,m-Xylene | 10.2 | 0.0500 | 10.0 | ND | 102 | 63-131 | 2.45 | 20 | |
| Total Xylenes | 15.2 | 0.0250 | 15.0 | ND | 101 | 63-131 | 2.46 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.99 | | 8.00 | | 99.9 | 70-130 | | | |

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2346059-BLK1)

Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.70 | | 8.00 | | 96.3 | 70-130 | | | |

LCS (2346059-BS1)

Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.79 | 0.0250 | 5.00 | | 95.9 | 70-130 | | | |
| Ethylbenzene | 4.68 | 0.0250 | 5.00 | | 93.6 | 70-130 | | | |
| Toluene | 4.84 | 0.0250 | 5.00 | | 96.8 | 70-130 | | | |
| o-Xylene | 4.79 | 0.0250 | 5.00 | | 95.9 | 70-130 | | | |
| p,m-Xylene | 9.67 | 0.0500 | 10.0 | | 96.7 | 70-130 | | | |
| Total Xylenes | 14.5 | 0.0250 | 15.0 | | 96.4 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.74 | | 8.00 | | 96.8 | 70-130 | | | |

Matrix Spike (2346059-MS1)

Source: E311099-24 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 54-133 | | | |
| Ethylbenzene | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 61-133 | | | |
| Toluene | 4.96 | 0.0250 | 5.00 | ND | 99.2 | 61-130 | | | |
| o-Xylene | 4.93 | 0.0250 | 5.00 | ND | 98.5 | 63-131 | | | |
| p,m-Xylene | 9.91 | 0.0500 | 10.0 | ND | 99.1 | 63-131 | | | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 98.9 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.69 | | 8.00 | | 96.2 | 70-130 | | | |

Matrix Spike Dup (2346059-MSD1)

Source: E311099-24 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.61 | 0.0250 | 5.00 | ND | 92.2 | 54-133 | 6.28 | 20 | |
| Ethylbenzene | 4.52 | 0.0250 | 5.00 | ND | 90.5 | 61-133 | 5.91 | 20 | |
| Toluene | 4.67 | 0.0250 | 5.00 | ND | 93.3 | 61-130 | 6.09 | 20 | |
| o-Xylene | 4.64 | 0.0250 | 5.00 | ND | 92.8 | 63-131 | 6.03 | 20 | |
| p,m-Xylene | 9.37 | 0.0500 | 10.0 | ND | 93.7 | 63-131 | 5.66 | 20 | |
| Total Xylenes | 14.0 | 0.0250 | 15.0 | ND | 93.4 | 63-131 | 5.78 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.71 | | 8.00 | | 96.4 | 70-130 | | | |

QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346035-BLK1) Prepared: 11/14/23 Analyzed: 11/17/23

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

LCS (2346035-BS2) Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.4 | 20.0 | 50.0 | | 92.8 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.44 | | 8.00 | | 93.0 | 70-130 | | | |

Matrix Spike (2346035-MS2) Source: E311099-04 Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.9 | 20.0 | 50.0 | ND | 93.8 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.35 | | 8.00 | | 91.9 | 70-130 | | | |

Matrix Spike Dup (2346035-MSD2) Source: E311099-04 Prepared: 11/14/23 Analyzed: 11/17/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 46.4 | 20.0 | 50.0 | ND | 92.8 | 70-130 | 1.09 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.36 | | 8.00 | | 92.0 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|---------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:02:18PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346059-BLK1) Prepared: 11/15/23 Analyzed: 11/18/23

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

LCS (2346059-BS2) Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 47.3 | 20.0 | 50.0 | | 94.6 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.34 | | 8.00 | | 91.7 | 70-130 | | | |

Matrix Spike (2346059-MS2) Source: E311099-24 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.8 | 20.0 | 50.0 | ND | 97.7 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.49 | | 8.00 | | 93.7 | 70-130 | | | |

Matrix Spike Dup (2346059-MSD2) Source: E311099-24 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 46.8 | 20.0 | 50.0 | ND | 93.7 | 70-130 | 4.14 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | 8.00 | | 93.1 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2346047-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 49.8 | | 50.0 | | 99.6 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2346047-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | 245 | 25.0 | 250 | | 97.8 | 38-132 | | | |
| Surrogate: n-Nonane | 50.2 | | 50.0 | | 100 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346047-MS1) | | | | | Source: E311099-06 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 264 | 25.0 | 250 | ND | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 42.6 | | 50.0 | | 85.2 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346047-MSD1) | | | | | Source: E311099-06 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 275 | 25.0 | 250 | ND | 110 | 38-132 | 4.36 | 20 | |
| Surrogate: n-Nonane | 54.1 | | 50.0 | | 108 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2346048-BLK1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 55.3 | | 50.0 | | 111 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2346048-BS1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | 258 | 25.0 | 250 | | 103 | 38-132 | | | |
| Surrogate: n-Nonane | 55.7 | | 50.0 | | 111 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346048-MS1) | | | | | Source: E311099-36 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 291 | 25.0 | 250 | 26.1 | 106 | 38-132 | | | |
| Surrogate: n-Nonane | 55.6 | | 50.0 | | 111 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|------|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346048-MSD1) | | | | | Source: E311099-36 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 286 | 25.0 | 250 | 26.1 | 104 | 38-132 | 1.63 | 20 | |
| Surrogate: n-Nonane | 54.9 | | 50.0 | | 110 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

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 (2346069-BLK1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2346069-BS1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | 248 | 20.0 | 250 | | 99.2 | 90-110 | | | |
| Matrix Spike (2346069-MS1) | | | | | Source: E311099-02 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 749 | 20.0 | 250 | 519 | 92.2 | 80-120 | | | |
| Matrix Spike Dup (2346069-MSD1) | | | | | Source: E311099-02 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 725 | 20.0 | 250 | 519 | 82.3 | 80-120 | 3.34 | 20 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:02:18PM |

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 (2346070-BLK1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2346070-BS1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | 255 | 20.0 | 250 | | 102 | 90-110 | | | |
| Matrix Spike (2346070-MS1) | | | | | Source: E311099-21 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 454 | 20.0 | 250 | 207 | 98.9 | 80-120 | | | |
| Matrix Spike Dup (2346070-MSD1) | | | | | Source: E311099-21 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 456 | 20.0 | 250 | 207 | 99.5 | 80-120 | 0.329 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.

Definitions and Notes

| | | | |
|--------------------------------------|------------------|----------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/23 14:02 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

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| | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------------|-------------------|-------------|---|--------------------------|--|-----------------|--|--|--|---|--|--|--------------------------------------|--|--|--|--|--|
| Client: Pima Environmental Services Project: <u>Lusitano 27-34 Fed. Com 336</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____ | | | | | Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>351</u> | | | | | Lab Use Only Lab WO# <u>E311099</u> Job Number <u>01058-000</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8250 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX | | | | | TAT 1D 2D 3D Standard X | | | | EPA Program CWA SDWA RCRA State NM CO UT AZ TX X | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | | | | | | | | | | | | | | Remarks | |
| 8:12 | 11/9 | S | | S1-1' North | 1 | | | | | | | | | | X | | | | | |
| 8:17 | | | | S1-2' North | 2 | | | | | | | | | | | | | | | |
| 8:23 | | | | S1-3' North | 3 | | | | | | | | | | | | | | | |
| 8:31 | | | | S1-4' North | 4 | | | | | | | | | | | | | | | |
| 8:35 | | | | S2-1' North | 5 | | | | | | | | | | | | | | | |
| 8:43 | | | | S2-2' North | 6 | | | | | | | | | | | | | | | |
| 8:50 | | | | S2-3' North | 7 | | | | | | | | | | | | | | | |
| 8:51 | | | | S2-4' North | 8 | | | | | | | | | | | | | | | |
| 9:12 | | | | S3-1' North | 9 | | | | | | | | | | | | | | | |
| 9:17 | | | | S3-2' North | 10 | | | | | | | | | | | | | | | |
| Additional Instructions: <u>B# 2120 9749</u> | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | Lab Use Only Received on ice: <u>Y/N</u> | | | | | | | | |
| <u>Kearine Adams</u> | | <u>11/10/23</u> | | <u>2:00</u> | | <u>Waller Cough</u> | | <u>11-10-23</u> | | <u>1400</u> | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T1 T2 T3 | | | | | | | | |
| <u>Waller Cough</u> | | <u>11-10-23</u> | | <u>1645</u> | | <u>Andrew</u> | | <u>11-10-23</u> | | <u>1715</u> | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | AVG Temp °C <u>4</u> | | | | | | | | |
| <u>Andrew</u> | | <u>11-10-23</u> | | <u>2400</u> | | <u>Qmenteno</u> | | <u>11/19/23</u> | | <u>8:00</u> | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | |

 **envirotech**

Project Information

Chain of Custody

Page 2 of 4

| | | | | | | | | | | | | | | | | |
|---|---------------------|---------------|--------------------------|--------------------------|---------------------------|------------------------|----------------------------|------------------------|-----------------------------|--------------------|---|-----------------|-----------------|-----------------|--------------------|-------------|
| Client: Pima Environmental Services | | | | | Bill To | | Lab Use Only | | | | TAT | | | | EPA Program | |
| Project: LUSITANO 27-34 Fed. COM 336 | | | | | Attention: Devon | | Lab WO# E 311099 | | Job Number 01058-000 | | 1D | 2D | 3D | Standard | CWA | SDWA |
| Project Manager: Tom Bynum | | | | | Address: | | Analysis and Method | | | | | | | | RCRA | |
| Address: 5614 N. Lovington Hwy. | | | | | City, State, Zip | | | | | | | | | | | |
| City, State, Zip: Hobbs, NM, 88240 | | | | | Phone: | | | | | | | | | | | |
| Phone: 580-748-1613 | | | | | Email: | | | | | | | | | | | |
| Email: tom@pimaoil.com | | | | | Pima Project # 351 | | | | | | | | | | | |
| Report due by: | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | State | | |
| | | | | | | | | | | | | | | NM | CO | UT |
| | | | | | | | | | | | | | | | AZ | TX |
| Remarks | | | | | | | | | | | | | | | | |
| 9:26 | 11/9 | S | | S3-3' North | 11 | | | | | | | X | | | | |
| 9:33 | | | | S3-4' North | 12 | | | | | | | | | | | |
| 9:41 | | | | S4-1' North | 13 | | | | | | | | | | | |
| 9:47 | | | | S4-2' North | 14 | | | | | | | | | | | |
| 9:52 | | | | S4-3' North | 15 | | | | | | | | | | | |
| 9:59 | | | | S4-4' North | 16 | | | | | | | | | | | |
| 10:11 | | | | S5-1' North | 17 | | | | | | | | | | | |
| 10:16 | | | | S5-2' North | 18 | | | | | | | | | | | |
| 10:17 | | | | S5-3' North | 19 | | | | | | | | | | | |
| 10:22 | | | | S5-4' North | 20 | | | | | | | | | | | |
| Additional Instructions: B#21209749 | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Lab Use Only | | | | | | | | |
| Kerina Adams | | 11/10/23 | 2:00 | Michelle Gayle | | 11-10-23 | 1400 | Received on ice: Y / N | | | | | | | | |
| Michelle Gayle | | 11-10-23 | 1645 | Aisha Nasso | | 11-10-23 | 1715 | T1 T2 T3 | | | | | | | | |
| Aisha Nasso | | 11-10-23 | 2400 | D. Montero | | 11/13/23 | 8:00 | AVG Temp °C 4 | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | |

Project Information

Chain of Custody

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| Client: Pima Environmental Services Project: <u>LuSitano 27-34 Fed. Com 336</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____ | | | | | Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>351</u> | | | | | Lab Use Only Lab WO# <u>E 311099</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX | | | | | TAT 1D 2D 3D Standard X | | | | EPA Program CWA SDWA RCRA State NM CO UT AZ TX X | |
|---|--------------|--------|-------------------|--------------------------|---|-----------------|-----------------|---|-------------|--|----------------|---|----------|---------|--------------------------------------|--|--|--|--|--|
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks | | | | | | |
| 10:31 | 11/9 | S | | S6-1' North | 21 | | | | | | | Y | | | | | | | | |
| 10:36 | | | | S6-2' North | 22 | | | | | | | | | | | | | | | |
| 10:44 | | | | S6-3' North | 23 | | | | | | | | | | | | | | | |
| 10:51 | | | | S6-4' North | 24 | | | | | | | | | | | | | | | |
| 10:59 | | | | SW1 North | 25 | | | | | | | | | | | | | | | |
| 11:06 | | | | SW2 North | 26 | | | | | | | | | | | | | | | |
| 11:10 | | | | SW3 North | 27 | | | | | | | | | | | | | | | |
| 11:11 | | | | SW4 North | 28 | | | | | | | | | | | | | | | |
| 11:23 | | | | SW5 North | 29 | | | | | | | | | | | | | | | |
| 11:30 | | | | SW6 North | 30 | | | | | | | | | | | | | | | |
| Additional Instructions: <u>B# 21209749</u> | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Lab Use Only Received on ice: <u>Y</u> / N | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | T1 _____ T2 _____ T3 _____ | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | AVG Temp °C <u>4</u> | | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | |



Project Information

Chain of Custody

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| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------------|-------------------|-------------|------------|---|-----------------|-----------------|-------------|-------------|----------------|--|----------|----|----|----|----------|---|------|--|--|--|--|
| Client: Pima Environmental Services Project: <u>Lusitano 27-34 Fed. Com 336</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____ | | | | | | Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>351</u> | | | | | | Lab Use Only Lab WO# <u>E31099</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX | | | | | | TAT 1D 2D 3D Standard X State NM CO UT AZ TX X Remarks | | | | EPA Program CWA SDWA RCRA | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | 1D | 2D | 3D | Standard | CWA | SDWA | | | | |
| 11:31 | 11/9 | S | | SW7 | 31 | | | | | | | X | | | | | | | | | | | |
| 11:43 | | | | SW8 | 32 | | | | | | | | | | | | | | | | | | |
| 11:46 | | | | SW9 | 33 | | | | | | | | | | | | | | | | | | |
| 11:47 | | | | SW10 | 34 | | | | | | | | | | | | | | | | | | |
| 11:51 | | | | SW11 | 35 | | | | | | | | | | | | | | | | | | |
| 11:52 | | | | SW12 | 36 | | | | | | | | | | | | | | | | | | |
| 11:54 | | | | SW13 | 37 | | | | | | | | | | | | | | | | | | |
| 12:03 | | | | SW14 | 38 | | | | | | | | | | | | | | | | | | |
| 12:11 | | | | SW15 | 39 | | | | | | | | | | | | | | | | | | |
| 12:17 | | | | BG1 | 40 | | | | | | | | | | | | | | | | | | |
| Additional Instructions: <u>B#21209749</u> | | | | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | Lab Use Only | | | | | | | | | | | |
| <u>Nerine Adams</u> | | <u>11/10/23</u> | | <u>2:00</u> | | <u>Michelle Gayle</u> | | <u>11-10-23</u> | | <u>1400</u> | | Received on ice: <u>0</u> / N | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | T1 T2 T3 | | | | | | | | | | | |
| <u>Michelle Gayle</u> | | <u>11-10-23</u> | | <u>1645</u> | | <u>Adams M. 336</u> | | <u>11-10-23</u> | | <u>1715</u> | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | AVG Temp °C | | | | | | | | | | | |
| <u>Adams M. 336</u> | | <u>11-10-23</u> | | <u>2400</u> | | <u>Michelle</u> | | <u>11/13/23</u> | | <u>8:00</u> | | <u>4</u> | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Printed: 11/13/2023 12:08:23PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

| | | | | | |
|---------|--------------------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Pima Environmental Services-Carlsbad | Date Received: | 11/13/23 08:00 | Work Order ID: | E311099 |
| Phone: | (575) 631-6977 | Date Logged In: | 11/13/23 11:46 | Logged In By: | Jordan Montano |
| Email: | tom@pimaoil.com | Due Date: | 11/17/23 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:

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:

Client InstructionComments/Resolution

Lusitano 27-34 Fed Com 336 has been split into 2 work orders due to the volume of samples.
E311099, E311100

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lusitano 27-34 Fed Com 336

Work Order: E311100

Job Number: 01058-0007

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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: 11/22/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Lusitano 27-34 Fed Com 336
Workorder: E311100
Date Received: 11/13/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 8:00:00AM, under the Project Name: Lusitano 27-34 Fed Com 336.

The analytical test results summarized in this report with the Project Name: Lusitano 27-34 Fed Com 336 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
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Sample Summary

| | | | |
|--------------------------------------|------------------|----------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/23 14:47 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| S1-1' South | E311100-01A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-2' South | E311100-02A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-3' South | E311100-03A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S1-4' South | E311100-04A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-1' South | E311100-05A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-2' South | E311100-06A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-3' South | E311100-07A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S2-4' South | E311100-08A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-1' South | E311100-09A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-2' South | E311100-10A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-3' South | E311100-11A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S3-4' South | E311100-12A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-1' South | E311100-13A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-2' South | E311100-14A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-3' South | E311100-15A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S4-4' South | E311100-16A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-1' South | E311100-17A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-2' South | E311100-18A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-3' South | E311100-19A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S5-4' South | E311100-20A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-1' South | E311100-21A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-2' South | E311100-22A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-3' South | E311100-23A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| S6-4' South | E311100-24A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW1 South | E311100-25A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW2 South | E311100-26A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW3 South | E311100-27A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW4 South | E311100-28A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW5 South | E311100-29A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW6 South | E311100-30A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW7 South | E311100-31A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW8 South | E311100-32A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW9 South | E311100-33A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW10 South | E311100-34A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW11 South | E311100-35A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW12 South | E311100-36A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW13 South | E311100-37A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW14 South | E311100-38A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW15 South | E311100-39A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW16 South | E311100-40A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |



Sample Summary

| | | | |
|--------------------------------------|------------------|----------------------------|---------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/23 14:47 |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SW17 South | E311100-41A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| SW18 South | E311100-42A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |
| BG1 | E311100-43A | Soil | 11/09/23 | 11/13/23 | Glass Jar, 2 oz. |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S1-1' South

E311100-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.1 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 96.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 92.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 28.5 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S1-2' South
E311100-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.2 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 87.4 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 63.7 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S1-3' South

E311100-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.1 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 95.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 55.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S1-4' South

E311100-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.7 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.8 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 87.7 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 262 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S2-1' South

E311100-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 95.7 % | 70-130 | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 94.2 % | 70-130 | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | 90.4 % | 50-200 | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 |
| Chloride | 27.3 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S2-2' South

E311100-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.7 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.0 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 86.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 62.6 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S2-3' South

E311100-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.9 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.7 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 84.4 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 53.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S2-4' South

E311100-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.0 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 88.1 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 315 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S3-1' South

E311100-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.6 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 87.1 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 26.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S3-2' South
E311100-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 94.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.8 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 83.5 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 59.0 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S3-3' South

E311100-11

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.2 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.1 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 92.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 56.2 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S3-4' South
E311100-12

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 94.6 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 95.2 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 88.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 266 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S4-1' South
E311100-13

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/18/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 94.3 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/18/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.6 % | 70-130 | | 11/15/23 | 11/18/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 90.5 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 26.6 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S4-2' South
E311100-14

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 84.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 58.6 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S4-3' South
E311100-15

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 93.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 95.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 91.2 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 31.7 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S4-4' South

E311100-16

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 91.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 331 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S5-1' South
E311100-17

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 91.8 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 27.5 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S5-2' South

E311100-18

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 93.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346060 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 96.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2346072 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 85.8 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346071 |
| Chloride | 54.8 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S5-3' South
E311100-19

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 93.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 85.4 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 34.6 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

S5-4' South
E311100-20

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 93.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346060 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 96.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | Batch: 2346072 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 88.6 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346071 | |
| Chloride | 103 | 20.0 | 1 | 11/15/23 | 11/17/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S6-1' South

E311100-21

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 93.9 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 29.3 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S6-2' South

E311100-22

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 94.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 98.1 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | 91.5 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 55.3 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S6-3' South

E311100-23

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 94.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 96.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | 97.7 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 303 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

S6-4' South

E311100-24

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 95.1 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 96.6 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 262 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW1 South

E311100-25

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.7 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 104 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 294 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW2 South
E311100-26

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 95.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | 34.4 | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | 200 | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 107 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 309 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW3 South

E311100-27

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.6 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | 58.8 | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 263 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW4 South

E311100-28

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.9 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 203 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW5 South

E311100-29

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 97.1 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.1 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 198 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW6 South
E311100-30

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 96.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 113 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 262 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW7 South

E311100-31

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 182 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW8 South
E311100-32

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 95.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| Surrogate: n-Nonane | 104 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 152 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW9 South

E311100-33

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.9 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 140 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW10 South
E311100-34

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.0 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/17/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/16/23 | 11/17/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 197 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW11 South
E311100-35

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | 95.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.9 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| Surrogate: n-Nonane | 105 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 461 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW12 South

E311100-36

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 96.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 197 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW13 South

E311100-37

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.9 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 94.9 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 110 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 214 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

| | | | |
|--------------------------------------|------------------|----------------------------|--|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

SW14 South
E311100-38

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.1 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: RKS | | Batch: 2346061 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.8 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2346073 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 104 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: BA | | Batch: 2346091 | |
| Chloride | 286 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW15 South

E311100-39

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 95.5 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 95.2 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 209 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW16 South

E311100-40

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Benzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| Toluene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/15/23 | 11/19/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 94.3 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346061 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/15/23 | 11/19/23 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.4 % | 70-130 | | 11/15/23 | 11/19/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346073 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/18/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/18/23 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 105 % | 50-200 | | 11/16/23 | 11/18/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346091 |
| Chloride | 229 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW17 South

E311100-41

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/15/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 96.9 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 96.9 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346077 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/16/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/16/23 | |
| Surrogate: n-Nonane | 92.8 % | 50-200 | | 11/16/23 | 11/16/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346094 |
| Chloride | 200 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

SW18 South

E311100-42

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/15/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 97.2 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 96.8 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 97.2 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 96.8 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346077 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/16/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/16/23 | |
| Surrogate: n-Nonane | 92.4 % | 50-200 | | 11/16/23 | 11/16/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346094 |
| Chloride | 232 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



Sample Data

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

Project Name: Lusitano 27-34 Fed Com 336
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/22/2023 2:47:12PM

BG1

E311100-43

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Benzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Toluene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| o-Xylene | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/23 | 11/15/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 99.2 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.6 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2346020 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/23 | 11/15/23 | |
| Surrogate: Bromofluorobenzene | 99.2 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.6 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | 11/14/23 | 11/15/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2346077 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/16/23 | 11/16/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/16/23 | 11/16/23 | |
| Surrogate: n-Nonane | 88.9 % | 50-200 | | 11/16/23 | 11/16/23 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: BA | | Batch: 2346094 |
| Chloride | 31.9 | 20.0 | 1 | 11/16/23 | 11/18/23 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|---------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2346020-BLK1) Prepared: 11/14/23 Analyzed: 11/15/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.487 | | 0.500 | | 97.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.505 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.549 | | 0.500 | | 110 | 70-130 | | | |

LCS (2346020-BS1) Prepared: 11/14/23 Analyzed: 11/15/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | 2.65 | 0.0250 | 2.50 | | 106 | 70-130 | | | |
| Ethylbenzene | 2.73 | 0.0250 | 2.50 | | 109 | 70-130 | | | |
| Toluene | 2.73 | 0.0250 | 2.50 | | 109 | 70-130 | | | |
| o-Xylene | 2.60 | 0.0250 | 2.50 | | 104 | 70-130 | | | |
| p,m-Xylene | 5.19 | 0.0500 | 5.00 | | 104 | 70-130 | | | |
| Total Xylenes | 7.78 | 0.0250 | 7.50 | | 104 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.479 | | 0.500 | | 95.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.499 | | 0.500 | | 99.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.526 | | 0.500 | | 105 | 70-130 | | | |

Matrix Spike (2346020-MS1) Source: E311072-02 Prepared: 11/14/23 Analyzed: 11/15/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene | 2.51 | 0.0250 | 2.50 | ND | 100 | 48-131 | | | |
| Ethylbenzene | 2.54 | 0.0250 | 2.50 | ND | 102 | 45-135 | | | |
| Toluene | 2.55 | 0.0250 | 2.50 | ND | 102 | 48-130 | | | |
| o-Xylene | 2.41 | 0.0250 | 2.50 | ND | 96.5 | 43-135 | | | |
| p,m-Xylene | 4.85 | 0.0500 | 5.00 | ND | 96.9 | 43-135 | | | |
| Total Xylenes | 7.26 | 0.0250 | 7.50 | ND | 96.8 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.483 | | 0.500 | | 96.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.523 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.532 | | 0.500 | | 106 | 70-130 | | | |

Matrix Spike Dup (2346020-MSD1) Source: E311072-02 Prepared: 11/14/23 Analyzed: 11/15/23

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|------|----|--|
| Benzene | 2.55 | 0.0250 | 2.50 | ND | 102 | 48-131 | 1.72 | 23 | |
| Ethylbenzene | 2.62 | 0.0250 | 2.50 | ND | 105 | 45-135 | 2.94 | 27 | |
| Toluene | 2.62 | 0.0250 | 2.50 | ND | 105 | 48-130 | 2.51 | 24 | |
| o-Xylene | 2.50 | 0.0250 | 2.50 | ND | 100 | 43-135 | 3.54 | 27 | |
| p,m-Xylene | 5.04 | 0.0500 | 5.00 | ND | 101 | 43-135 | 3.83 | 27 | |
| Total Xylenes | 7.53 | 0.0250 | 7.50 | ND | 100 | 43-135 | 3.73 | 27 | |
| Surrogate: Bromofluorobenzene | 0.480 | | 0.500 | | 96.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.505 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.534 | | 0.500 | | 107 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346060-BLK1) Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.79 | | 8.00 | | 97.4 | 70-130 | | | |

LCS (2346060-BS1) Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.82 | 0.0250 | 5.00 | | 96.4 | 70-130 | | | |
| Ethylbenzene | 4.82 | 0.0250 | 5.00 | | 96.4 | 70-130 | | | |
| Toluene | 4.85 | 0.0250 | 5.00 | | 97.0 | 70-130 | | | |
| o-Xylene | 4.83 | 0.0250 | 5.00 | | 96.5 | 70-130 | | | |
| p,m-Xylene | 9.85 | 0.0500 | 10.0 | | 98.4 | 70-130 | | | |
| Total Xylenes | 14.7 | 0.0250 | 15.0 | | 97.8 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.79 | | 8.00 | | 97.3 | 70-130 | | | |

Matrix Spike (2346060-MS1) Source: E311100-04 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.66 | 0.0250 | 5.00 | ND | 93.1 | 54-133 | | | |
| Ethylbenzene | 4.67 | 0.0250 | 5.00 | ND | 93.4 | 61-133 | | | |
| Toluene | 4.69 | 0.0250 | 5.00 | ND | 93.7 | 61-130 | | | |
| o-Xylene | 4.69 | 0.0250 | 5.00 | ND | 93.8 | 63-131 | | | |
| p,m-Xylene | 9.53 | 0.0500 | 10.0 | ND | 95.3 | 63-131 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | ND | 94.8 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.75 | | 8.00 | | 96.8 | 70-130 | | | |

Matrix Spike Dup (2346060-MSD1) Source: E311100-04 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.72 | 0.0250 | 5.00 | ND | 94.4 | 54-133 | 1.34 | 20 | |
| Ethylbenzene | 4.74 | 0.0250 | 5.00 | ND | 94.8 | 61-133 | 1.49 | 20 | |
| Toluene | 4.75 | 0.0250 | 5.00 | ND | 95.1 | 61-130 | 1.43 | 20 | |
| o-Xylene | 4.75 | 0.0250 | 5.00 | ND | 94.9 | 63-131 | 1.19 | 20 | |
| p,m-Xylene | 9.67 | 0.0500 | 10.0 | ND | 96.7 | 63-131 | 1.47 | 20 | |
| Total Xylenes | 14.4 | 0.0250 | 15.0 | ND | 96.1 | 63-131 | 1.38 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.72 | | 8.00 | | 96.5 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346061-BLK1) Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.58 | | 8.00 | | 94.8 | 70-130 | | | |

LCS (2346061-BS1) Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.48 | 0.0250 | 5.00 | | 89.6 | 70-130 | | | |
| Ethylbenzene | 4.55 | 0.0250 | 5.00 | | 91.0 | 70-130 | | | |
| Toluene | 4.56 | 0.0250 | 5.00 | | 91.1 | 70-130 | | | |
| o-Xylene | 4.54 | 0.0250 | 5.00 | | 90.9 | 70-130 | | | |
| p,m-Xylene | 9.29 | 0.0500 | 10.0 | | 92.9 | 70-130 | | | |
| Total Xylenes | 13.8 | 0.0250 | 15.0 | | 92.2 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.59 | | 8.00 | | 94.9 | 70-130 | | | |

Matrix Spike (2346061-MS1) Source: E311100-22 Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 4.51 | 0.0250 | 5.00 | ND | 90.2 | 54-133 | | | |
| Ethylbenzene | 4.57 | 0.0250 | 5.00 | ND | 91.3 | 61-133 | | | |
| Toluene | 4.57 | 0.0250 | 5.00 | ND | 91.5 | 61-130 | | | |
| o-Xylene | 4.58 | 0.0250 | 5.00 | ND | 91.6 | 63-131 | | | |
| p,m-Xylene | 9.32 | 0.0500 | 10.0 | ND | 93.2 | 63-131 | | | |
| Total Xylenes | 13.9 | 0.0250 | 15.0 | ND | 92.6 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.55 | | 8.00 | | 94.4 | 70-130 | | | |

Matrix Spike Dup (2346061-MSD1) Source: E311100-22 Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.57 | 0.0250 | 5.00 | ND | 91.4 | 54-133 | 1.31 | 20 | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | ND | 92.9 | 61-133 | 1.73 | 20 | |
| Toluene | 4.64 | 0.0250 | 5.00 | ND | 92.9 | 61-130 | 1.52 | 20 | |
| o-Xylene | 4.64 | 0.0250 | 5.00 | ND | 92.9 | 63-131 | 1.40 | 20 | |
| p,m-Xylene | 9.48 | 0.0500 | 10.0 | ND | 94.8 | 63-131 | 1.73 | 20 | |
| Total Xylenes | 14.1 | 0.0250 | 15.0 | ND | 94.1 | 63-131 | 1.62 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.55 | | 8.00 | | 94.4 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|---------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|---------------------------------------|--------|--|--|--|
| Blank (2346020-BLK1) | | | | | Prepared: 11/14/23 Analyzed: 11/15/23 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.487 | | 0.500 | | 97.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.505 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.549 | | 0.500 | | 110 | 70-130 | | | |

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|---------------------------------------|--------|--|--|--|
| LCS (2346020-BS2) | | | | | Prepared: 11/14/23 Analyzed: 11/15/23 | | | | |
| Gasoline Range Organics (C6-C10) | 54.4 | 20.0 | 50.0 | | 109 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.499 | | 0.500 | | 99.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.503 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.565 | | 0.500 | | 113 | 70-130 | | | |

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346020-MS2) | | | | | Source: E311072-02 | | Prepared: 11/14/23 Analyzed: 11/15/23 | | |
| Gasoline Range Organics (C6-C10) | 52.1 | 20.0 | 50.0 | ND | 104 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.503 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.513 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.545 | | 0.500 | | 109 | 70-130 | | | |

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346020-MSD2) | | | | | Source: E311072-02 | | Prepared: 11/14/23 Analyzed: 11/15/23 | | |
| Gasoline Range Organics (C6-C10) | 51.5 | 20.0 | 50.0 | ND | 103 | 70-130 | 1.13 | 20 | |
| Surrogate: Bromofluorobenzene | 0.498 | | 0.500 | | 99.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.497 | | 0.500 | | 99.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.549 | | 0.500 | | 110 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|---------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: 11/22/2023 2:47:12PM |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346060-BLK1) Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.57 | | 8.00 | | 94.6 | 70-130 | | | |

LCS (2346060-BS2) Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 50.2 | 20.0 | 50.0 | | 100 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.69 | | 8.00 | | 96.2 | 70-130 | | | |

Matrix Spike (2346060-MS2) Source: E311100-04 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 50.9 | 20.0 | 50.0 | ND | 102 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.63 | | 8.00 | | 95.4 | 70-130 | | | |

Matrix Spike Dup (2346060-MSD2) Source: E311100-04 Prepared: 11/15/23 Analyzed: 11/18/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 49.4 | 20.0 | 50.0 | ND | 98.8 | 70-130 | 2.99 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.73 | | 8.00 | | 96.6 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2346061-BLK1) Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.72 | | 8.00 | | 96.6 | 70-130 | | | |

LCS (2346061-BS2) Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.5 | 20.0 | 50.0 | | 96.9 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.01 | | 8.00 | | 100 | 70-130 | | | |

Matrix Spike (2346061-MS2) Source: E311100-22 Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 47.5 | 20.0 | 50.0 | ND | 95.0 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.79 | | 8.00 | | 97.4 | 70-130 | | | |

Matrix Spike Dup (2346061-MSD2) Source: E311100-22 Prepared: 11/15/23 Analyzed: 11/19/23

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 46.0 | 20.0 | 50.0 | ND | 92.1 | 70-130 | 3.08 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.75 | | 8.00 | | 96.9 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2346072-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 46.9 | | 50.0 | | 93.9 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2346072-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | 225 | 25.0 | 250 | | 90.0 | 38-132 | | | |
| Surrogate: n-Nonane | 46.7 | | 50.0 | | 93.5 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346072-MS1) | | | | | Source: E311100-04 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 231 | 25.0 | 250 | ND | 92.4 | 38-132 | | | |
| Surrogate: n-Nonane | 46.6 | | 50.0 | | 93.2 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346072-MSD1) | | | | | Source: E311100-04 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 239 | 25.0 | 250 | ND | 95.5 | 38-132 | 3.24 | 20 | |
| Surrogate: n-Nonane | 47.3 | | 50.0 | | 94.6 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2346073-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 54.1 | | 50.0 | | 108 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2346073-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/17/23 | | | | |
| Diesel Range Organics (C10-C28) | 253 | 25.0 | 250 | | 101 | 38-132 | | | |
| Surrogate: n-Nonane | 52.3 | | 50.0 | | 105 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346073-MS1) | | | | | Source: E311100-25 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 293 | 25.0 | 250 | ND | 117 | 38-132 | | | |
| Surrogate: n-Nonane | 51.0 | | 50.0 | | 102 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346073-MSD1) | | | | | Source: E311100-25 | | Prepared: 11/16/23 Analyzed: 11/17/23 | | |
| Diesel Range Organics (C10-C28) | 280 | 25.0 | 250 | ND | 112 | 38-132 | 4.47 | 20 | |
| Surrogate: n-Nonane | 51.9 | | 50.0 | | 104 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2346077-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/16/23 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 45.9 | | 50.0 | | 91.9 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2346077-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/16/23 | | | | |
| Diesel Range Organics (C10-C28) | 246 | 25.0 | 250 | | 98.5 | 38-132 | | | |
| Surrogate: n-Nonane | 46.4 | | 50.0 | | 92.9 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2346077-MS1) | | | | | Source: E311100-43 | | Prepared: 11/16/23 Analyzed: 11/16/23 | | |
| Diesel Range Organics (C10-C28) | 257 | 25.0 | 250 | ND | 103 | 38-132 | | | |
| Surrogate: n-Nonane | 46.5 | | 50.0 | | 93.0 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2346077-MSD1) | | | | | Source: E311100-43 | | Prepared: 11/16/23 Analyzed: 11/16/23 | | |
| Diesel Range Organics (C10-C28) | 265 | 25.0 | 250 | ND | 106 | 38-132 | 2.85 | 20 | |
| Surrogate: n-Nonane | 47.7 | | 50.0 | | 95.5 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 (2346071-BLK1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2346071-BS1) | | | | | Prepared: 11/15/23 Analyzed: 11/17/23 | | | | |
| Chloride | 249 | 20.0 | 250 | | 99.7 | 90-110 | | | |
| Matrix Spike (2346071-MS1) | | | | | Source: E311100-04 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 522 | 20.0 | 250 | 262 | 104 | 80-120 | | | |
| Matrix Spike Dup (2346071-MSD1) | | | | | Source: E311100-04 | | Prepared: 11/15/23 Analyzed: 11/17/23 | | |
| Chloride | 510 | 20.0 | 250 | 262 | 99.2 | 80-120 | 2.44 | 20 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 (2346091-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/18/23 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2346091-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/18/23 | | | | |
| Chloride | 260 | 20.0 | 250 | | 104 | 90-110 | | | |
| Matrix Spike (2346091-MS1) | | | | | Source: E311100-29 | | Prepared: 11/16/23 Analyzed: 11/18/23 | | |
| Chloride | 433 | 20.0 | 250 | 198 | 93.7 | 80-120 | | | |
| Matrix Spike Dup (2346091-MSD1) | | | | | Source: E311100-29 | | Prepared: 11/16/23 Analyzed: 11/18/23 | | |
| Chloride | 443 | 20.0 | 250 | 198 | 97.9 | 80-120 | 2.39 | 20 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|----------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/2023 2:47:12PM |

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 (2346094-BLK1) | | | | | Prepared: 11/16/23 Analyzed: 11/18/23 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2346094-BS1) | | | | | Prepared: 11/16/23 Analyzed: 11/18/23 | | | | |
| Chloride | 248 | 20.0 | 250 | | 99.2 | 90-110 | | | |
| Matrix Spike (2346094-MS1) | | | | | Source: E311101-03 | | Prepared: 11/16/23 Analyzed: 11/18/23 | | |
| Chloride | 359 | 20.0 | 250 | 107 | 101 | 80-120 | | | |
| Matrix Spike Dup (2346094-MSD1) | | | | | Source: E311101-03 | | Prepared: 11/16/23 Analyzed: 11/18/23 | | |
| Chloride | 349 | 20.0 | 250 | 107 | 96.9 | 80-120 | 2.99 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

| | | | |
|--------------------------------------|------------------|----------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27-34 Fed Com 336 | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/22/23 14:47 |

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

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

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



Project Information

Chain of Custody

Page 1 of 5

| | | | | | | | | | | | | | | | | | | | | |
|---|--------------|----------|-------------------|--------------------------|---|----------|------|--|--|--|---|--|--|--|--------------------------------------|---------|--|--|--|--|
| Client: Pima Environmental Services Project: Lvsitane 2734 Fed Com 336 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by: | | | | | Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 351 | | | | | Lab Use Only Lab WO# E311100 Job Number 01058-0007 Analysis and Method | | | | | TAT 1D 2D 3D Standard X | | | | EPA Program CWA SDWA RCRA | |
| | | | | | | | | | | State NM CO UT AZ TX X | | | | | | | | | | |
| | | | | | | | | | | DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | | | | | | | | | | | Remarks | | | | |
| 12:20 | 11/9 | S | | S1-1' South | 1 | | | | | | | | | | | | | | | |
| 12:25 | | | | S1-2' South | 2 | | | | | | | | | | | | | | | |
| 12:31 | | | | S1-3' South | 3 | | | | | | | | | | | | | | | |
| 12:36 | | | | S1-4' South | 4 | | | | | | | | | | | | | | | |
| 12:41 | | | | S2-1' South | 5 | | | | | | | | | | | | | | | |
| 12:49 | | | | S2-2' South | 6 | | | | | | | | | | | | | | | |
| 12:51 | | | | S2-3' South | 7 | | | | | | | | | | | | | | | |
| 12:54 | | | | S2-4' South | 8 | | | | | | | | | | | | | | | |
| 1:00 | | | | S3-1' South | 9 | | | | | | | | | | | | | | | |
| 1:09 | | | | S3-2' South | 10 | | | | | | | | | | | | | | | |
| Additional Instructions: B# 21209749 | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Lab Use Only Received on ice: Y / N | | | | | | | | | | | | |
| Karime Adams | | 11/10/23 | 2:00 | Michelle Gault | | 11-10-23 | 1400 | | | | | | | | | | | | | |
| Michelle Gault | | 11-10-23 | 1645 | Andre Niso | | 11-10-23 | 1715 | T1 T2 T3 | | | | | | | | | | | | |
| Andre Niso | | 11-10-23 | 2400 | Andre Niso | | 11/13/23 | 8:00 | AVG Temp °C 4 | | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | |


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Project Information

Chain of Custody

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| | | | | | | | | | | | | | | | |
|---|--------------|----------|-------------------|---------------------------|------------|--|------|-------------------------------|--|--------------|----|-------------|----------|-------------|------|
| Client: Pima Environmental Services | | | | Bill To | | Lab Use Only | | | | TAT | | | | EPA Program | |
| Project: <u>Lvsstano 2734 Fed. Com 336</u> | | | | Attention: <u>Devon</u> | | Lab WO# <u>E311100</u> | | Job Number <u>01058-0007</u> | | 1D | 2D | 3D | Standard | CWA | SDWA |
| Project Manager: Tom Bynum | | | | Address: | | Analysis and Method | | | | | | | | RCRA | |
| Address: 5614 N. Lovington Hwy. | | | | City, State, Zip | | | | | | | | | | | |
| City, State, Zip: Hobbs, NM, 88240 | | | | Phone: | | DRO/ORO by 8015 | | GRO/DRO by 8015 | | BTEX by 8021 | | VOC by 8250 | | Metals 6010 | |
| Phone: 580-748-1613 | | | | Email: | | Chloride 300.0 | | BGDOC NM | | BGDOC TX | | State | | Remarks | |
| Email: tom@pimaoil.com | | | | Pima Project # <u>351</u> | | | | | | | | NM | | CO | UT |
| Report due by: | | | | | | | | | | | | TX | | AZ | TX |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | | | | | | | | | | |
| 1:17 | 11/4 | S | | S3-3' South | 11 | | | | | | | | | | |
| 1:19 | | | | S3-4' South | 12 | | | | | | | | | | |
| 1:21 | | | | S4-1' South | 13 | | | | | | | | | | |
| 1:29 | | | | S4-2' South | 14 | | | | | | | | | | |
| 1:33 | | | | S4-3' South | 15 | | | | | | | | | | |
| 1:39 | | | | S4-4' South | 16 | | | | | | | | | | |
| 1:41 | | | | S5-1' South | 17 | | | | | | | | | | |
| 1:46 | | | | S5-2' South | 18 | | | | | | | | | | |
| 1:49 | | | | S5-3' South | 19 | | | | | | | | | | |
| 1:52 | | | | S5-4' South | 20 | | | | | | | | | | |
| Additional Instructions: <u>B#21209749</u> | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | | | | | |
| Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Lab Use Only | | | | | | | |
| <u>Karime Adams</u> | | 11/10/23 | 2:00 | <u>Michelle Gayle</u> | | 11-10-23 | 1400 | Received on ice: <u>Y</u> / N | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | T1 | | | | | | | |
| <u>Michelle Gayle</u> | | 11-10-23 | 1645 | <u>John</u> | | 11-10-23 | 1715 | T2 | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | T3 | | | | | | | |
| <u>John</u> | | 11-10-23 | 2400 | <u>Menteno</u> | | 11/10/23 | 8:00 | AVG Temp °C <u>4</u> | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | |

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Project Information

Chain of Custody

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| | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|---------------|--------------------------|--------------------------|---|------------------------|------------------------|---------------------|--------------------|---|-----------------------|----------------|----------------|--|--|--|--|--|--|--|
| Client: Pima Environmental Services Project: <u>Lusitana 2734 Fed Cam 336</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by: | | | | | Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>351</u> | | | | | Lab Use Only Lab WO# <u>E311100</u> Job Number <u>01058-0007</u> Analysis and Method | | | | | TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | | | | EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> | |
| | | | | | | | | | | State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/> | | | | | | | | | | |
| | | | | | | | | | | 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 | BDOC NM | BDOC TX | | | | | | | |
| 1:54 | 11/9 | S | | SG-1' South | 1321 | | | | | | | X | | | | | | | | |
| 2:05 | | | | SG-2' South | 1422 | | | | | | | | | | | | | | | |
| 2:11 | | | | SG-3' South | 1523 | | | | | | | | | | | | | | | |
| 2:19 | | | | SG-4' South | 1624 | | | | | | | | | | | | | | | |
| 2:21 | | | | SW1 South | 1725 | | | | | | | | | | | | | | | |
| 2:29 | | | | SW2 South | 1826 | | | | | | | | | | | | | | | |
| 2:31 | | | | SW3 South | 1927 | | | | | | | | | | | | | | | |
| 2:36 | | | | SW4 South | 2028 | | | | | | | | | | | | | | | |
| 2:39 | | | | SW5 South | 2129 | | | | | | | | | | | | | | | |
| 2:41 | | | | SW6 South | 2230 | | | | | | | | | | | | | | | |
| Additional Instructions: <u>B#21209749</u> | | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | | |
| <u>Karime Adams</u> | | 11/10/23 | 2:00 | <u>Michelle Cough</u> | | 11-10-23 | 1400 | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | | |
| <u>Michelle Cough</u> | | 11-10-23 | 1645 | <u>Andrew</u> | | 11-10-23 | 1715 | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | | |
| <u>Andrew</u> | | 11-10-23 | 2400 | <u>Amanteno</u> | | 11/13/23 | 8:00 | | | | | | | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | | | | |


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Project Information

Chain of Custody

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| Client: Pima Environmental Services Project: <u>Lusitano Z734 Fed com 336</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____ | | | | Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>351</u> | | | | Lab Use Only Lab WO# <u>E311100</u> Job Number <u>01058-0007</u> Analysis and Method: _____ DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ BGDOC NM _____ BGDOC TX _____ | | | | TAT 1D _____ 2D _____ 3D _____ Standard <u>X</u> EPA Program CWA _____ SDWA _____ RCRA _____ State: _____ NM <u>X</u> CO _____ UT _____ AZ _____ TX _____ | | | |
|---|--------------|-----------------|-------------------|---|------------|--|-----------------|--|-------------|---|----------------|---|----------|---------|--|
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks | |
| 2:55 | 11/4 | S | | SW7 South | 31 | | | | | | | X | | | |
| 2:59 | 1 | | | SW8 South | 32 | | | | | | | | | | |
| 3:03 | 1 | | | SW9 South | 33 | | | | | | | | | | |
| 3:10 | 1 | | | SW10 South | 34 | | | | | | | | | | |
| 3:11 | 1 | | | SW11 South | 35 | | | | | | | | | | |
| 3:15 | 1 | | | SW12 South | 36 | | | | | | | | | | |
| 3:19 | 1 | | | SW13 South | 37 | | | | | | | | | | |
| 3:21 | 1 | | | SW14 South | 38 | | | | | | | | | | |
| 3:23 | 1 | | | SW15 South | 39 | | | | | | | | | | |
| 3:33 | 1 | | | SW16 South | 40 | | | | | | | | | | |
| Additional Instructions: <u>B#21209749</u> | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Lab Use Only Received on ice: <u>Y/N</u> | | | | | | | |
| <u>Karime Adams</u> | | <u>11/10/23</u> | <u>2:00</u> | <u>Michelle Gayle</u> | | <u>11-10-23</u> | <u>1400</u> | | | | | | | | |
| <u>Michelle Gayle</u> | | <u>11-10-23</u> | <u>1645</u> | <u>Andrew Russo</u> | | <u>11-10-23</u> | <u>1715</u> | T1 _____ T2 _____ T3 _____ | | | | | | | |
| <u>Andrew Russo</u> | | <u>11-10-23</u> | <u>2400</u> | <u>Michelle Gayle</u> | | <u>11/18/23</u> | <u>8:00</u> | AVG Temp °C <u>4</u> | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | | | | | | | | | |
| Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | |


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Envirotech Analytical Laboratory

Printed: 11/15/2023 11:30:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

| | | | | | |
|---------|--------------------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Pima Environmental Services-Carlsbad | Date Received: | 11/13/23 08:00 | Work Order ID: | E311100 |
| Phone: | (575) 631-6977 | Date Logged In: | 11/13/23 12:11 | Logged In By: | Jordan Montano |
| Email: | tom@pimaoil.com | Due Date: | 11/17/23 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

Lusitano 27-34 Fed Com 336 has been split into 2 work orders due to the volume of samples.
E311099, E311100

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

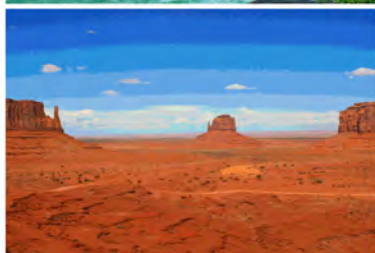
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lusitano 27 34 Federal Com 336H

Work Order: E406122

Job Number: 01058-0007

Received: 6/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/18/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/18/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Lusitano 27 34 Federal Com 336H
Workorder: E406122
Date Received: 6/13/2024 7:00:09AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2024 7:00:09AM, under the Project Name: Lusitano 27 34 Federal Com 336H.

The analytical test results summarized in this report with the Project Name: Lusitano 27 34 Federal Com 336H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Sample Summary

| | | | |
|--------------------------------------|------------------|---------------------------------|---------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | Reported: 06/18/24 12:45 |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SW2-South | E406122-01A | Soil | 06/08/24 | 06/13/24 | Glass Jar, 2 oz. |



Sample Data

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

Project Name: Lusitano 27 34 Federal Com 336H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/18/2024 12:45:18PM

SW2-South

E406122-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: BA | | Batch: 2424086 | |
| Benzene | ND | 0.0250 | 1 | 06/13/24 | 06/15/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/13/24 | 06/15/24 | |
| Toluene | ND | 0.0250 | 1 | 06/13/24 | 06/15/24 | |
| o-Xylene | ND | 0.0250 | 1 | 06/13/24 | 06/15/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/13/24 | 06/15/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/13/24 | 06/15/24 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | 93.6 % | 70-130 | 06/13/24 | 06/15/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | Batch: 2424086 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/13/24 | 06/15/24 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | 110 % | 70-130 | 06/13/24 | 06/15/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: NV | | Batch: 2424080 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/13/24 | 06/13/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/13/24 | 06/13/24 | |
| <i>Surrogate: n-Nonane</i> | | 92.4 % | 50-200 | 06/13/24 | 06/13/24 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: JM | | Batch: 2424088 | |
| Chloride | 138 | 20.0 | 1 | 06/13/24 | 06/14/24 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | 6/18/2024 12:45:18PM |

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2424086-BLK1) Prepared: 06/13/24 Analyzed: 06/15/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.41 | | 8.00 | | 92.7 | 70-130 | | | |

LCS (2424086-BS1) Prepared: 06/13/24 Analyzed: 06/17/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 5.12 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| Ethylbenzene | 4.81 | 0.0250 | 5.00 | | 96.2 | 70-130 | | | |
| Toluene | 5.05 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| o-Xylene | 4.91 | 0.0250 | 5.00 | | 98.2 | 70-130 | | | |
| p,m-Xylene | 9.95 | 0.0500 | 10.0 | | 99.5 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | | 99.0 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.14 | | 8.00 | | 89.2 | 70-130 | | | |

Matrix Spike (2424086-MS1) Source: E406121-01 Prepared: 06/13/24 Analyzed: 06/17/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 5.05 | 0.0250 | 5.00 | ND | 101 | 54-133 | | | |
| Ethylbenzene | 4.78 | 0.0250 | 5.00 | ND | 95.6 | 61-133 | | | |
| Toluene | 4.99 | 0.0250 | 5.00 | ND | 99.8 | 61-130 | | | |
| o-Xylene | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 63-131 | | | |
| p,m-Xylene | 9.86 | 0.0500 | 10.0 | ND | 98.6 | 63-131 | | | |
| Total Xylenes | 14.7 | 0.0250 | 15.0 | ND | 98.1 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.22 | | 8.00 | | 90.2 | 70-130 | | | |

Matrix Spike Dup (2424086-MSD1) Source: E406121-01 Prepared: 06/13/24 Analyzed: 06/17/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.88 | 0.0250 | 5.00 | ND | 97.6 | 54-133 | 3.46 | 20 | |
| Ethylbenzene | 4.63 | 0.0250 | 5.00 | ND | 92.6 | 61-133 | 3.15 | 20 | |
| Toluene | 4.83 | 0.0250 | 5.00 | ND | 96.6 | 61-130 | 3.31 | 20 | |
| o-Xylene | 4.71 | 0.0250 | 5.00 | ND | 94.3 | 63-131 | 3.13 | 20 | |
| p,m-Xylene | 9.55 | 0.0500 | 10.0 | ND | 95.5 | 63-131 | 3.14 | 20 | |
| Total Xylenes | 14.3 | 0.0250 | 15.0 | ND | 95.1 | 63-131 | 3.14 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.26 | | 8.00 | | 90.8 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | 6/18/2024 12:45:18PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2424086-BLK1) Prepared: 06/13/24 Analyzed: 06/15/24

| | | | | | | | | | |
|---|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.83 | | 8.00 | | 110 | 70-130 | | | |

LCS (2424086-BS2) Prepared: 06/13/24 Analyzed: 06/15/24

| | | | | | | | | | |
|---|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 53.0 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.93 | | 8.00 | | 112 | 70-130 | | | |

Matrix Spike (2424086-MS2) Source: E406121-01 Prepared: 06/13/24 Analyzed: 06/15/24

| | | | | | | | | | |
|---|------|------|------|----|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 52.9 | 20.0 | 50.0 | ND | 106 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.95 | | 8.00 | | 112 | 70-130 | | | |

Matrix Spike Dup (2424086-MSD2) Source: E406121-01 Prepared: 06/13/24 Analyzed: 06/15/24

| | | | | | | | | | |
|---|------|------|------|----|-----|--------|-------|----|--|
| Gasoline Range Organics (C6-C10) | 52.4 | 20.0 | 50.0 | ND | 105 | 70-130 | 0.930 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.83 | | 8.00 | | 110 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | 6/18/2024 12:45:18PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2424080-BLK1) Prepared: 06/13/24 Analyzed: 06/13/24

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 49.0 | | 50.0 | | 97.9 | 50-200 | | | |

LCS (2424080-BS1) Prepared: 06/13/24 Analyzed: 06/13/24

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 238 | 25.0 | 250 | | 95.0 | 38-132 | | | |
| Surrogate: n-Nonane | 46.9 | | 50.0 | | 93.9 | 50-200 | | | |

Matrix Spike (2424080-MS1) Source: E406111-03 Prepared: 06/13/24 Analyzed: 06/13/24

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 239 | 25.0 | 250 | ND | 95.6 | 38-132 | | | |
| Surrogate: n-Nonane | 47.3 | | 50.0 | | 94.7 | 50-200 | | | |

Matrix Spike Dup (2424080-MSD1) Source: E406111-03 Prepared: 06/13/24 Analyzed: 06/13/24

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 245 | 25.0 | 250 | ND | 97.8 | 38-132 | 2.26 | 20 | |
| Surrogate: n-Nonane | 48.4 | | 50.0 | | 96.9 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | 6/18/2024 12:45:18PM |

Anions by EPA 300.0/9056A

Analyst: JM

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

| | | | | | | | | | |
|---------------------------------|-----|------|-----|----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2424088-BLK1) | | | | | Prepared: 06/13/24 Analyzed: 06/13/24 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2424088-BS1) | | | | | Prepared: 06/13/24 Analyzed: 06/13/24 | | | | |
| Chloride | 250 | 20.0 | 250 | | 100 | 90-110 | | | |
| Matrix Spike (2424088-MS1) | | | | | Source: E406108-02 | | Prepared: 06/13/24 Analyzed: 06/13/24 | | |
| Chloride | 269 | 20.0 | 250 | ND | 108 | 80-120 | | | |
| Matrix Spike Dup (2424088-MSD1) | | | | | Source: E406108-02 | | Prepared: 06/13/24 Analyzed: 06/14/24 | | |
| Chloride | 270 | 20.0 | 250 | ND | 108 | 80-120 | 0.155 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

| | | | |
|--------------------------------------|------------------|---------------------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Lusitano 27 34 Federal Com 336H | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Gio Gomez | 06/18/24 12:45 |

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

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

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





Envirotech Analytical Laboratory

Printed: 6/13/2024 10:46:03AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

| | | | | | |
|---------|--------------------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Pima Environmental Services-Carlsbad | Date Received: | 06/13/24 07:00 | Work Order ID: | E406122 |
| Phone: | (575) 631-6977 | Date Logged In: | 06/12/24 16:11 | Logged In By: | Alexa Michaels |
| Email: | gio@pimaoil.com | Due Date: | 06/19/24 17:00 (4 day TAT) | | |

Chain of Custody (COC)

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

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

Carrier: 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.

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1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 356022

QUESTIONS

| | |
|---|----------------|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: |
| | 6137 |
| | Action Number: |
| | 356022 |
| Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

| | |
|------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPM2316346908 |
| Incident Name | NAPM2316346908 LUSITANO 27 34 FEDERAL COM 336H @ 30-015-44425 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Well | [30-015-44425] LUSITANO 27 34 FEDERAL COM #336H |

| | |
|--|---------------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | LUSITANO 27 34 FEDERAL COM 336H |
| Date Release Discovered | 06/01/2018 |
| Surface Owner | Federal |

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

| | |
|--|--|
| Nature and Volume of Release | |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Cause: Human Error Water Tank Produced Water Released: 70 BBL Recovered: 2 BBL Lost: 68 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | A contract water transfer company started their transfer pump and had valve going to a frac tank opened, they over filled the frac tank allowing the release to occur. Approximately 70.1 bbls of produced water was released and 2 bbls were recovered. |

District I

1625 N. French Dr., Hobbs, NM 88240
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District IV

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 356022

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: | 6137 |
| | Action Number: | 356022 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|---|--|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| 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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/19/2024 |
|--|--|

District I

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

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District III

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QUESTIONS, Page 3

Action 356022

QUESTIONS (continued)

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 356022 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS**Site Characterization**

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

| | |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Medium |
| A 100-year floodplain | Greater than 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

Remediation Plan

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

| | |
|---|-----|
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | |

| | |
|--|-----|
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |

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

| | |
|---|-------|
| Chloride (EPA 300.0 or SM4500 Cl B) | 632 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 234.4 |
| GRO+DRO (EPA SW-846 Method 8015M) | 58.8 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |

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

| | |
|---|------------|
| On what estimated date will the remediation commence | 06/08/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 06/08/2024 |
| On what date will (or was) the remediation complete(d) | 06/08/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed | 0 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 0 |
| What is the estimated surface area (in square feet) that will be remediated | 0 |
| What is the estimated volume (in cubic yards) that will be remediated | 0 |

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

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

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QUESTIONS, Page 4

Action 356022

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: | 6137 |
| | Action Number: | 356022 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS**Remediation Plan (continued)**

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

| | |
|---|---|
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Yes |
| Other Non-listed Remedial Process. Please specify | no remediation needed based on depth to water |

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

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

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/19/2024 |
|--|--|

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

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QUESTIONS, Page 5

Action 356022

QUESTIONS (continued)

| | |
|---|----------------|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: |
| | 6137 |
| | Action Number: |
| | 356022 |
| Action Type: | |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

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

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QUESTIONS, Page 6

Action 356022

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: | 6137 |
| | Action Number: | 356022 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|---|------------|
| Sampling Event Information | |
| Last sampling notification (C-141N) recorded | 356071 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 06/08/2024 |
| What was the (estimated) number of samples that were to be gathered | 1 |
| What was the sampling surface area in square feet | 100 |

Remediation Closure Request

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

| | |
|--|--|
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 0 |
| What was the total volume (cubic yards) remediated | 0 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 0 |
| What was the total volume (in cubic yards) reclaimed | 0 |
| Summarize any additional remediation activities not included by answers (above) | laboratory analytical results were below OCD action levels based on depth to water |

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

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

| | |
|--|--|
| I hereby agree and sign off to the above statement | Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/19/2024 |
|--|--|

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QUESTIONS, Page 7

Action 356022

QUESTIONS (continued)

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 356022 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

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

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CONDITIONS

Action 356022

CONDITIONS

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 356022 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez | None | 8/15/2024 |