

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 6/22/2023

email: dale.woodall@dv.com Telephone: 575-748-1839

**OCD Only**

Received by: Shelly Wells Date: 6/23/2023

|                |                |
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## Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional  
Signature: Dale Woodall Date: 6/22/2023  
email: dale.woodall@dvn.com Telephone: 575-748-1839

**OCD Only**

Received by: Shelly Wells Date: 6/23/2023

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

Closure Approved by: Ashley Maxwell Date: 11/28/2023  
Printed Name: Ashley Maxwell Title: Environmental Specialist



**Pima Environmental Services**  
**5614 N. Lovington Highway**  
**Hobbs, NM 88240**  
**575-964-7740**

June 12, 2023

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

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

**Re: Site Assessment, Remediation, and Closure Report**  
**Shugart W Fed 29 CTB 1**  
**API No. N/A**  
**GPS: Latitude 32.715643 Longitude -103.894921**  
**UL K, Sec. 29, T18S, R31E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2212681299**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a crude oil release that occurred at the Shugart W Fed 29 CTB 1 (Shugart). The initial C-141 was submitted on May 6, 2020 (Appendix C). This incident was assigned Incident ID NAPP2212681299 by the New Mexico Oil Conservation Division (NMOCD).

### Site Characterization

The Shugart is located approximately twenty-five (25) miles west of Eunice, NM. This spill site is in Unit K, Section 29, Township 18S, Range 31E, Latitude 32.715643 Longitude -103.894921, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Shugart (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 260 feet BGS. The closest waterway is a Salt Playa located approximately 4.43 miles to the southwest of this location. See Appendix A for referenced water surveys.

**Table 1 NMAC and Closure Criteria 19.15.29**

| Depth to Groundwater<br>(Appendix A) | Constituent & Limits |             |             |          |          |
|--------------------------------------|----------------------|-------------|-------------|----------|----------|
|                                      | Chlorides            | Total TPH   | GRO+DRO     | BTEX     | Benzene  |
| <50' (Lack of GW)                    | 600 mg/kg            | 100 mg/kg   |             | 50 mg/kg | 10 mg/kg |
| 51-100'                              | 10,000 mg/kg         | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |
| >100'                                | 20,000 mg/kg         | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |

Reference Figure 2 for a Topographic Map.



### Release Information

**NAPP2212681299:** On April 21, 2022, fluid was released from tube into pasture. The released fluids were calculated to be approximately 1.6 barrels (bbls) of Crude Oil. No fluid was able to be recovered.

### Site Assessment and Soil Sampling Results

On September 23, 2022, Pima mobilized personnel to the site to assess the area. Pima sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

9-23-2022 Soil Sample Results

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') |             |                                |               |           |           |           |                 |    |       |
|---|-------------|--------------------------------|---------------|-----------|-----------|-----------|-----------------|----|-------|
| DEVON ENERGY - WEST SHUGART FED 29 CTB 1                                    |             |                                |               |           |           |           |                 |    |       |
| Sample Date:  |             | 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 | CI | mg/kg |
| S-1   | 1'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
|   | 3'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | 31.6  |
|   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| S-2   | 1'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
|   | 3'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
|   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| S-3   | 1'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
|   | 3'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
|   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| S-4   | 1'          | ND                             | ND            | ND        | 1020      | ND        | 1020            |    | 2520  |
|   | 3'          | ND                             | ND            | ND        | 1680      | ND        | 1680            |    | 1990  |
|   | 4'          | 0.256                          | ND            | ND        | 17000     | 6820      | 23820.26        |    | 5290  |
|   | 5'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| S-5   | 1'          | 2.15                           | ND            | 84.1      | 19600     | 6390      | 26076.25        |    | 11000 |
|   | 3'          | 1.17                           | ND            | 56        | 8350      | 2710      | 11117.17        |    | 10300 |
|   | 4'          | 0.903                          | ND            | 52.9      | 16100     | 6430      | 22583.8         |    | 12300 |
|   | 5'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| S-6   | 1'          | ND                             | ND            | ND        | 548       | 348       | 896             |    | 4400  |
|   | 3'          | ND                             | ND            | ND        | 728       | ND        | 728             |    | 3380  |
|   | 4'          | ND                             | ND            | ND        | 1430      | 674       | 2104            |    | 8660  |
| S-6   | 5'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 1  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 2  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 3  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 4  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 5  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 6  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 7  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 8  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 9  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| SW 10   | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| BG 1  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| BG 2  | 6"          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |

ND- Analyte Not Detected

### Remediation Activities

On April 24, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the areas around S-4 through S-6 to various depths averaging 4.5' bgs. Pima personnel collected samples to verify all contaminated soil had been removed. Approximately 68 cubic yards of contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On May 6, 2023, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure

## 5-6-23 Confirmation Sample Results

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') |             |                                |               |           |           |           |                 |    |       |
|---|-------------|--------------------------------|---------------|-----------|-----------|-----------|-----------------|----|-------|
| DEVON ENERGY - WEST SHUGART FED 29 CTB 1                                    |             |                                |               |           |           |           |                 |    |       |
| Sample Date: 5/6/2023   |             | NM Approved Laboratory Results |               |           |           |           |                 |    |       |
| Sample ID   | Depth (BGS) | BTEX mg/kg                     | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl | mg/kg |
| CS 1  | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CS 2  | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 1   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 2   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 3   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 4   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 5   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |
| CSW 6   | 4'          | ND                             | ND            | ND        | ND        | ND        | 0               |    | ND    |

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

**Closure Request**

After careful review, Pima requests that this incident, NAPP2212681299, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or [gio@pimaoil.com](mailto:gio@pimaoil.com).

Respectfully,

*Gio Gomez*

Gio Gomez  
Project Manager  
Pima Environmental Services, LLC

**Attachments**

Figures:

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

Appendices:

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



Pima Environmental Services

**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map



5-Confirmation Sample Map

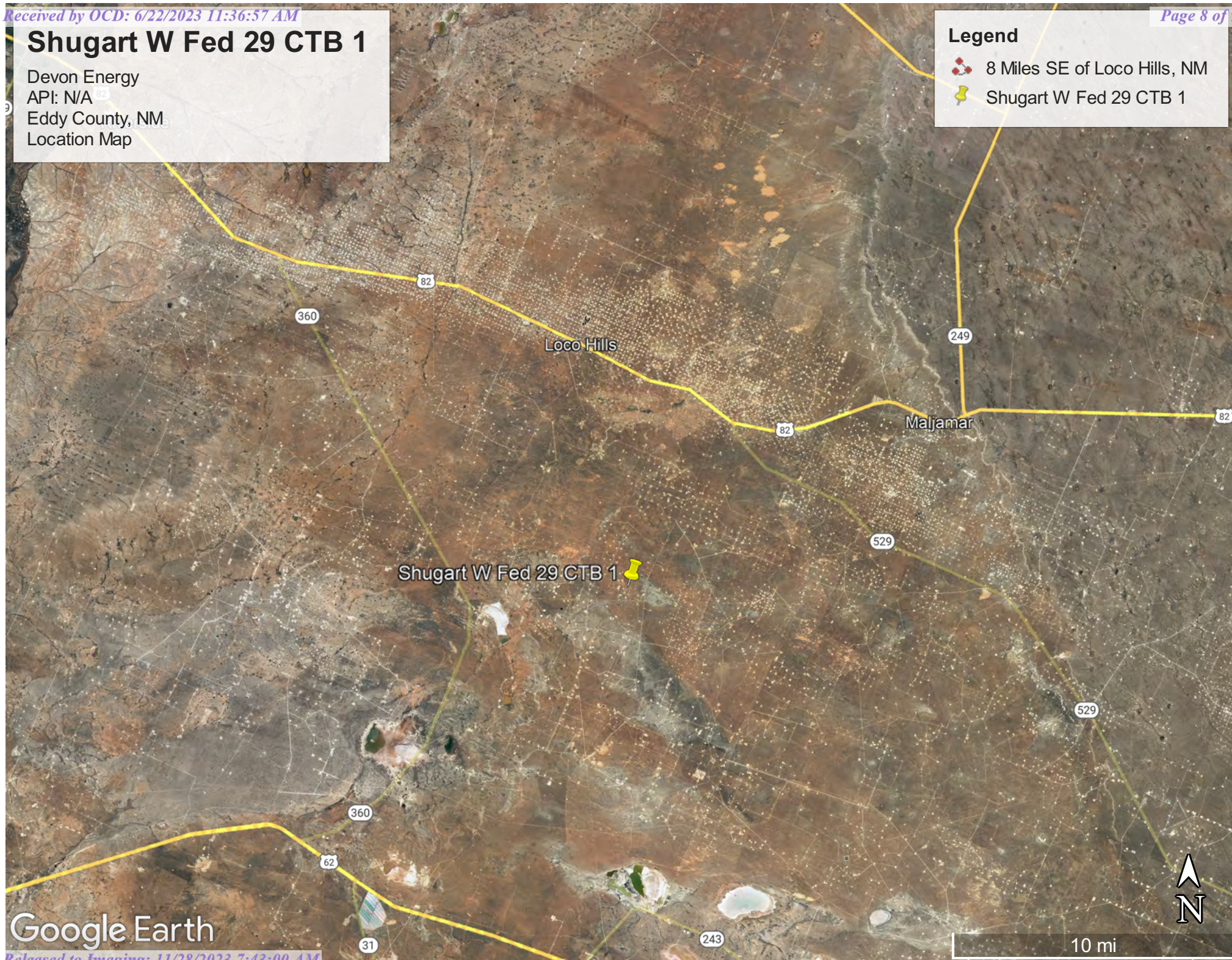


# Shugart W Fed 29 CTB 1

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

## Legend

-  8 Miles SE of Loco Hills, NM
-  Shugart W Fed 29 CTB 1



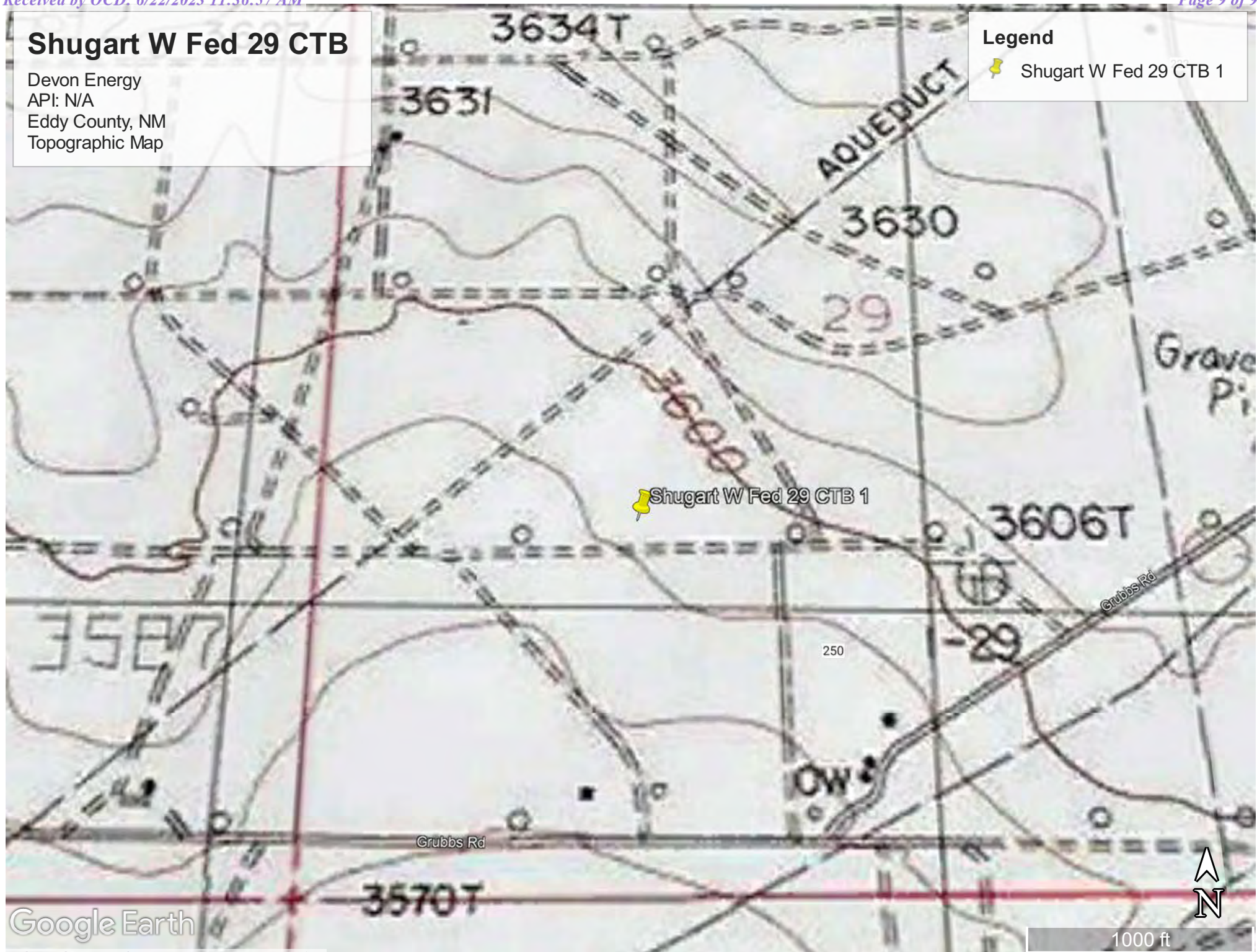


# Shugart W Fed 29 CTB

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

## Legend

 Shugart W Fed 29 CTB 1







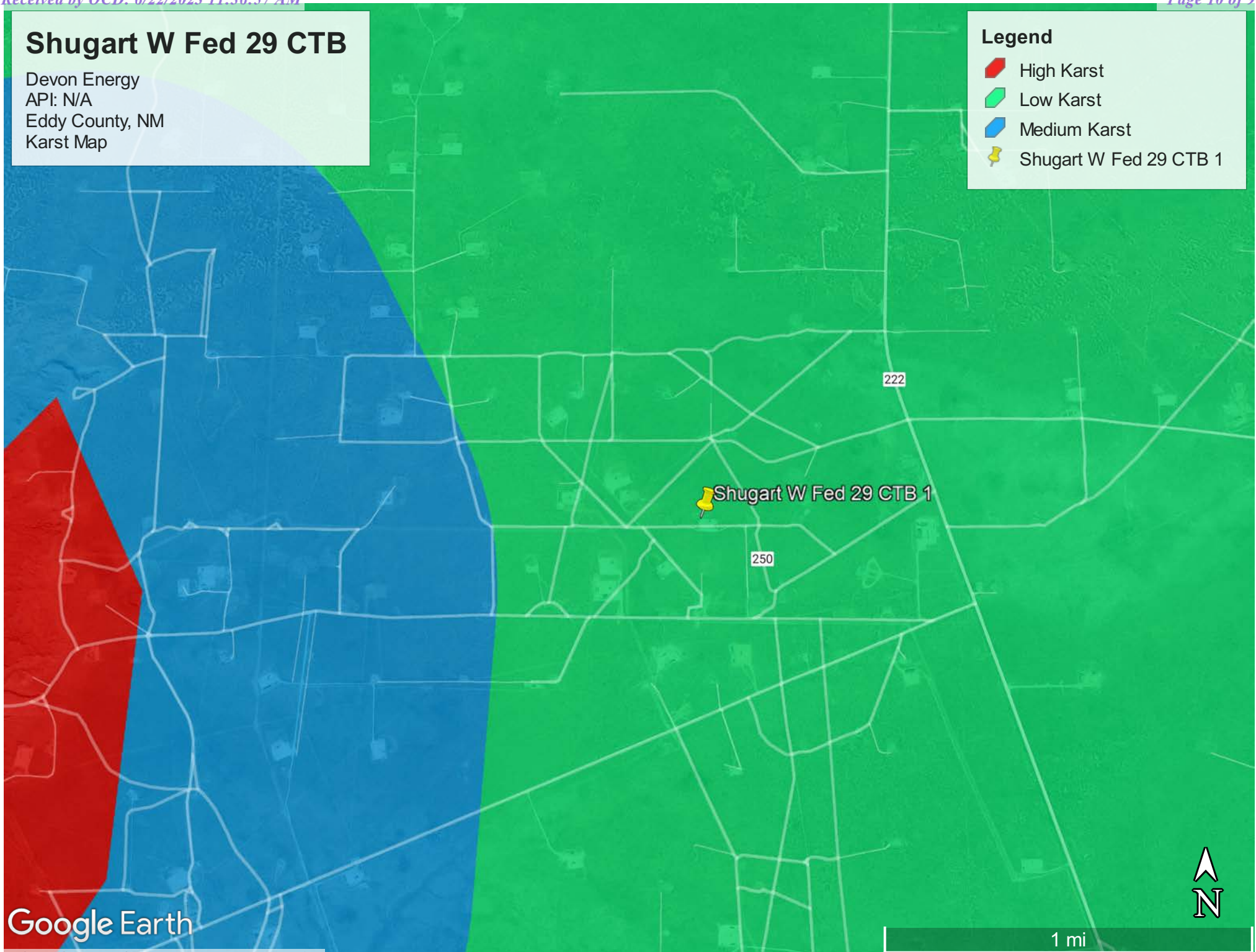


# Shugart W Fed 29 CTB

Devon Energy  
API: N/A  
Eddy County, NM  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Shugart W Fed 29 CTB 1



Google Earth



# Shugart W Fed 29 CTB 1

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

## Legend

- Background/Sidewalls
- Samples
- Shugart W Fed 29 CTB 1
- Spill Area 461 sqft
- Over Spray

BG1

SW3

SW4

S3

SW5

S2

SW2

SW6

S1

SW1

SW7

SW10

S4

S5

S6

SW8

SW9

BG2

Shugart W Fed 29 CTB 1



80 ft



# Shugart W Fed 29 CTB 1

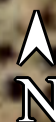
Devon Energy  
API: N/A  
Eddy County, NM  
Confirmation Sample Map

## Legend

- Confirmation Samples
- Confirmation Sidewalls
- Shugart W Fed 29 CTB 1

CSW1  
CSW6  
CSW2  
CSW5  
C2  
CSW3  
CSW4

Shugart W Fed 29 CTB 1



60 ft





Pima Environmental Services

## **Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                    | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | DepthWell | DepthWater | Water Column |
|-------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-----------|------------|--------------|
| <a href="#">CP 00818 POD1</a> |      | CP            | LE     | 1    | 4    | 26  | 18S | 30E |     | 599289 | 3620364* | 4276     | 240       |            |              |
| <a href="#">CP 00767 POD1</a> |      | CP            | ED     | 3    | 2    | 35  | 18S | 30E |     | 599300 | 3619158* | 4416     | 500       |            |              |
| <a href="#">CP 00849 POD1</a> |      | CP            | LE     | 3    | 1    | 3   | 35  | 18S | 31E | 608012 | 3618757* | 4707     | 300       |            |              |
| <a href="#">CP 01907 POD1</a> |      | CP            | ED     | 4    | 2    | 2   | 18  | 19S | 31E | 603017 | 3614737  | 5592     |           |            |              |
| <a href="#">CP 00829 POD1</a> |      | CP            | LE     | 2    | 4    | 16  | 19S | 31E |     | 606165 | 3614009* | 6809     | 120       |            |              |
| <a href="#">CP 00853 POD1</a> | O    | CP            | ED     | 2    | 4    | 28  | 18S | 30E |     | 596472 | 3620340* | 7093     | 350       |            |              |
| <a href="#">CP 00873 POD1</a> |      | CP            | LE     | 1    | 1    | 19  | 19S | 31E |     | 601772 | 3613147* | 7377     | 340       | 180        | 160          |
| <a href="#">CP 00647 POD1</a> | O    | CP            | ED     | 4    | 2    | 2   | 15  | 19S | 30E | 598235 | 3614621* | 7790     | 200       | 92         | 108          |
| <a href="#">CP 01554 POD1</a> |      | CP            | LE     | 2    | 2    | 1   | 22  | 19S | 31E | 607166 | 3613354  | 7825     | 400       |            |              |
| <a href="#">CP 01554 POD2</a> |      | CP            | LE     | 2    | 2    | 1   | 22  | 19S | 31E | 607165 | 3613322  | 7854     | 400       |            |              |
| <a href="#">CP 00357 POD1</a> |      | CP            | ED     | 4    | 4    | 1   | 24  | 19S | 30E | 600667 | 3612631* | 8201     | 630       |            |              |
| <a href="#">RA 11590 POD1</a> |      | RA            | ED     | 2    | 1    | 3   | 32  | 17S | 31E | 603315 | 3628545  | 8246     | 158       |            |              |
| <a href="#">CP 00357 POD2</a> |      | CP            | ED     | 4    | 3    | 1   | 24  | 19S | 30E | 600265 | 3612627* | 8355     | 630       |            |              |
| <a href="#">CP 00822 POD1</a> |      | CP            | LE     | 4    | 4    | 15  | 19S | 30E |     | 598148 | 3613516* | 8683     | 90        |            |              |
| <a href="#">CP 00819 POD1</a> |      | CP            | LE     | 2    | 4    | 32  | 18S | 30E |     | 594878 | 3618720* | 8830     | 150       |            |              |
| <a href="#">RA 11590 POD4</a> |      | RA            | ED     | 4    | 1    | 1   | 32  | 17S | 31E | 603308 | 3629253  | 8954     | 55        |            |              |
| <a href="#">RA 11590 POD3</a> |      | RA            | ED     | 3    | 1    | 2   | 32  | 17S | 31E | 603932 | 3629260  | 8964     | 60        |            |              |
| <a href="#">CP 00722 POD2</a> |      | CP            | ED     | 2    | 1    | 1   | 25  | 19S | 30E | 600276 | 3611620* | 9285     | 350       | 65         | 285          |
| <a href="#">CP 00725 POD1</a> |      | CP            | ED     | 1    | 3    | 3   | 28  | 19S | 31E | 604906 | 3610473* | 9921     | 231       |            |              |

Average Depth to Water: **112 feet**

Minimum Depth: **65 feet**

Maximum Depth: **180 feet**

Record Count: 19

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 603565.31

**Northing (Y):** 3620303

**Radius:** 10000

\*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.

1/9/23 11:37 AM

WATER COLUMN/ AVERAGE DEPTH TO  
WATER



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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 324159103503801

Minimum number of levels = 1

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

### USGS 324159103503801 18S.31E.35.31324

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

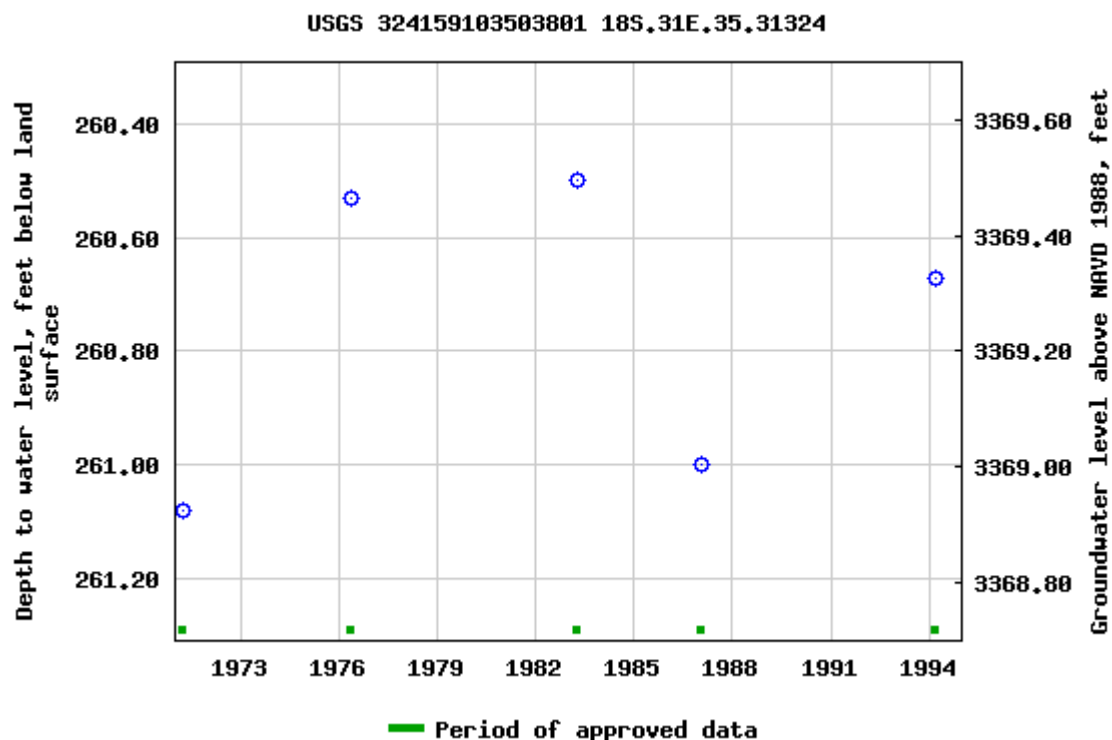
#### Output formats

[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 about sites/data?](#)

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

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

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

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

Page Last Modified: 2022-09-23 13:19:53 EDT

0.54 0.46 nadww02



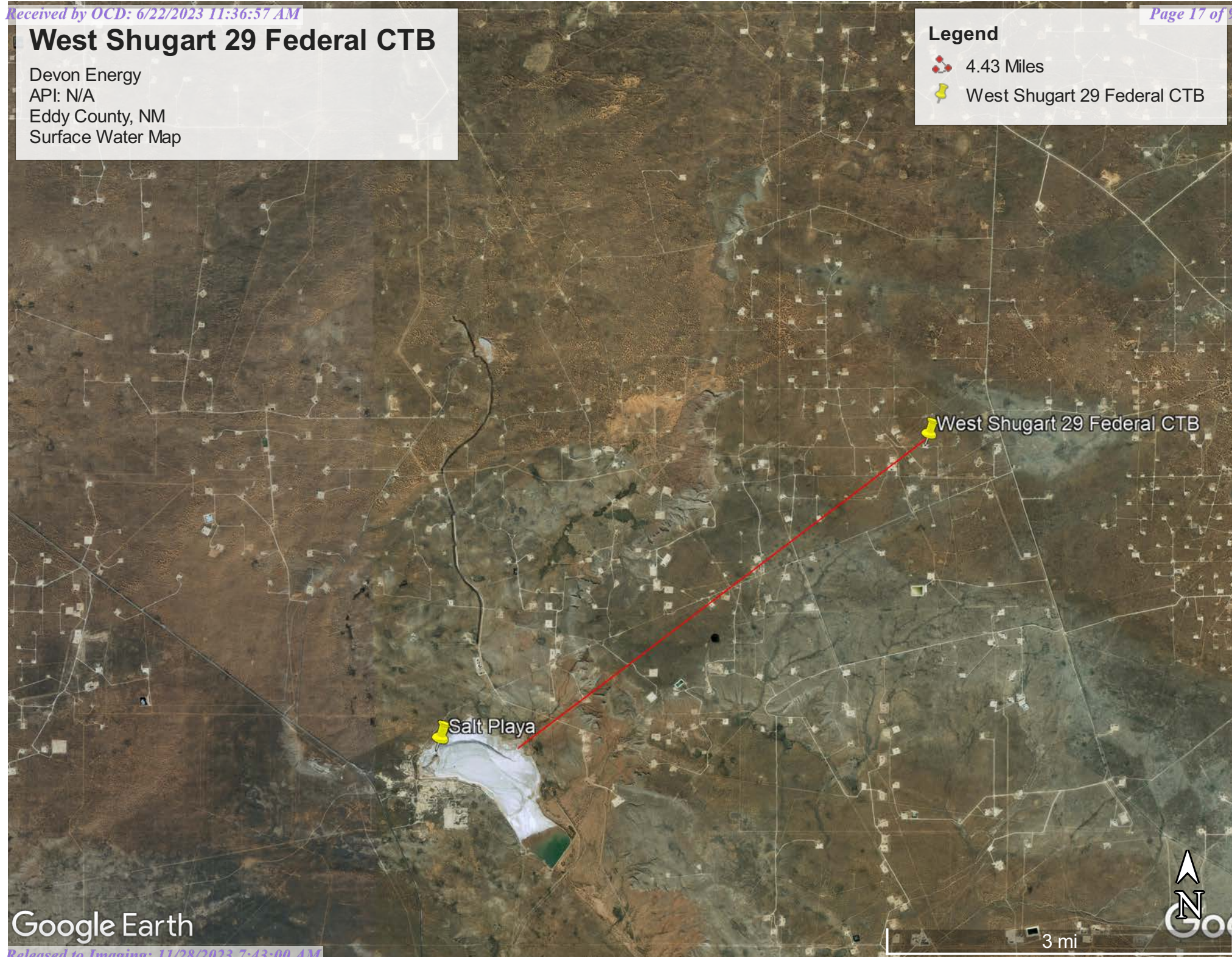


# West Shugart 29 Federal CTB

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

## Legend

- 4.43 Miles
- West Shugart 29 Federal CTB



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map



Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### BA—Berino loamy fine sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w42

*Elevation:* 2,000 to 5,700 feet

*Mean annual precipitation:* 6 to 14 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:* 99 percent

*Minor components:* 1 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 12 inches:* loamy fine sand

*H2 - 12 to 58 inches:* sandy clay loam

*H3 - 58 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 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 8.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

---

*Hydrologic Soil Group:* B  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

#### **Minor Components**

##### **Pajarito**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 17, Sep 12, 2021



# National Flood Hazard Layer FIRMette



103°54'W 32°43'11"N



### Legend

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

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

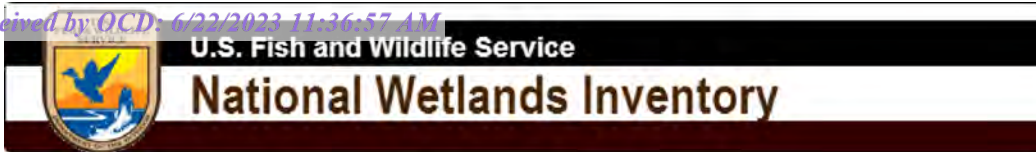
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

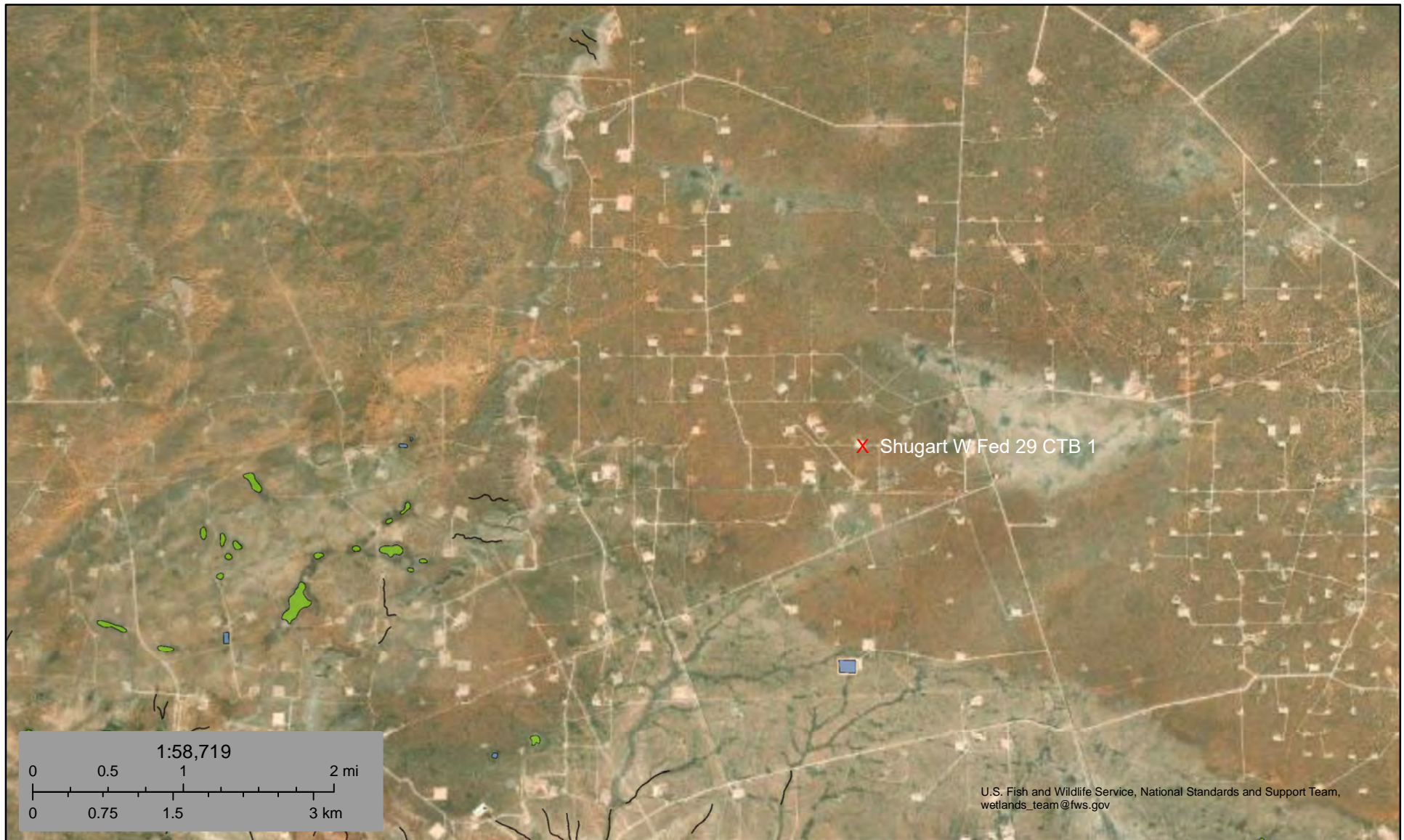
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2022 at 1:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





# Wetlands Map



January 9, 2023

## Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|   |                              |
|---|------------------------------|
| Responsible Party Devon Energy Production Company               | OGRID 6137                   |
| Contact Name Wesley Mathews                                     | Contact Telephone            |
| Contact email Wesley.Mathews@dvn.com                            | Incident # (assigned by OCD) |
| Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210 |                              |

### Location of Release Source

Latitude 32.715643 Longitude -103.894921  
(NAD 83 in decimal degrees to 5 decimal places)

|                                    |                      |
|------------------------------------|----------------------|
| Site Name Shugart W Fed 29 CTB 1   | Site Type Oil        |
| Date Release Discovered 04/21/2022 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| K           | 29      | 18S      | 31E   | Eddy   |

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

### Nature and Volume of Release

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

|   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 1.6 BBLS  | Volume Recovered (bbls) 0 BBLS                           |
| <input type="checkbox"/> Produced Water       | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
|   | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate           | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas          | Volume Released (Mcf)  | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe)     | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                  |

Cause of Release Fluid was released from tube into pasture.

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

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

## Initial Response

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

|  |  |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.  |  |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>   |  |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |
| Printed Name: <u>Kendra Ruiz</u><br>Signature: <u><i>Kendra Ruiz</i></u><br>email: <u>Kendra.Ruiz@dvn.com</u>  | Title: <u>EHS Associate</u><br>Date: <u>05/06/2022</u><br>Telephone: <u>575-748-0167</u> |
| <div style="border: 1px solid black; padding: 5px;"> <b><u>OCD Only</u></b><br/>         Received by: <u>Jocelyn Harimon</u>      Date: <u>05/09/2022</u> </div>   |  |



| <b>Spill Volume(Bbls) Calculator</b>          |                                   |
|---|-----------------------------------|
| Inputs in <i>blue</i> , Outputs in <i>red</i> |                                   |
| Contaminated Soil measurement                 |                                   |
| Area (square feet)                            | Depth(inches)                     |
| <u>1031.24</u>                                | <u>0.500</u>                      |
| Cubic Feet of Soil Impacted                   | <u>42.968</u>                     |
| Barrels of Soil Impacted                      | <u>7.66</u>                       |
| Soil Type                                     | Clay/Sand                         |
| Barrels of Oil Assuming 100% Saturation       | <u>1.15</u>                       |
| Saturation                                    | Fluid present with shovel/backhoe |
| Estimated Barrels of Oil Released             | <u>1.15</u>                       |
| Free Standing Fluid Only                      |                                   |
| Area (square feet)                            | Depth(inches)                     |
|   |                                   |
| Standing fluid                                | <u>0.000</u>                      |
| <b>Total fluids spilled</b>                   | <b><u>1.149</u></b>               |

| <b>Spill Volume(Bbls) Calculator</b>          |                                   |
|---|-----------------------------------|
| Inputs in <i>blue</i> , Outputs in <i>red</i> |                                   |
| Contaminated Soil measurement                 |                                   |
| Area (square feet)                            | Depth(inches)                     |
| <u>1755.721</u>                               | <u>0.125</u> +                    |
| Cubic Feet of Soil Impacted                   | <u>18.289</u>                     |
| Barrels of Soil Impacted                      | <u>3.26</u>                       |
| Soil Type                                     | Clay/Sand                         |
| Barrels of Oil Assuming 100% Saturation       | <u>0.49</u>                       |
| Saturation                                    | Fluid present with shovel/backhoe |
| Estimated Barrels of Oil Released             | <u>0.49</u>                       |
| Free Standing Fluid Only                      |                                   |
| Area (square feet)                            | Depth(inches)                     |
| <u>0</u>                                      | <u>0.000</u>                      |
| Standing fluid                                | <u>0.000</u>                      |
| <b>Total fluids spilled</b>                   | <b><u>0.489</u></b>               |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 105036

CONDITIONS

|   |   |
|---|---|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137  |
|   | Action Number:<br>105036                                  |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jharimon   | None      | 5/9/2022       |

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Site Assessment/Characterization

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

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

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

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

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

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



State of New Mexico  
Oil Conservation Division

Page 4

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

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

Printed Name: Dale Woodall Title: Environmental Professional  
Signature: Dale Woodall Date: 6/22/2023  
email: dale.woodall@dv.com Telephone: 575-748-1839

**OCD Only**

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

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2212681299 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 6/22/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

### OCD Only

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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



Gio PimaOil <gio@pimaoil.com>

---

## Shugart W Fed 29 CTB 1 Confirmation Sampling

1 message

---

Gio PimaOil <gio@pimaoil.com>

Wed, May 3, 2023 at 9:23 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Shugart W Fed 29 CTB 1 for incident NAPP2212681299. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Saturday, May 6, 2023. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

**Pima Environmental Services, LLC.**



Pima Environmental Services

## **Appendix D**

Photographic Documentation





**SITE PHOTOGRAPHS**  
**DEVON ENERGY**  
**SHUGART W FED 29 BATTERY**

Site Assessment







+32.715859,-103.894464  
Eddy County  
Devon Energy  
West Shugart 29 Fed Battery  
Assessment



+32.715832,-103.894348  
Eddy County  
Devon Energy  
West Shugart 29 Fed Battery  
Assessment

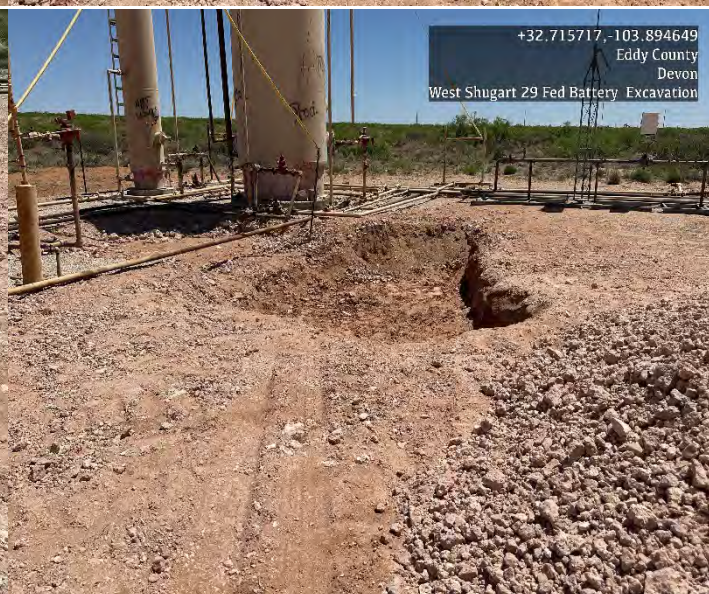
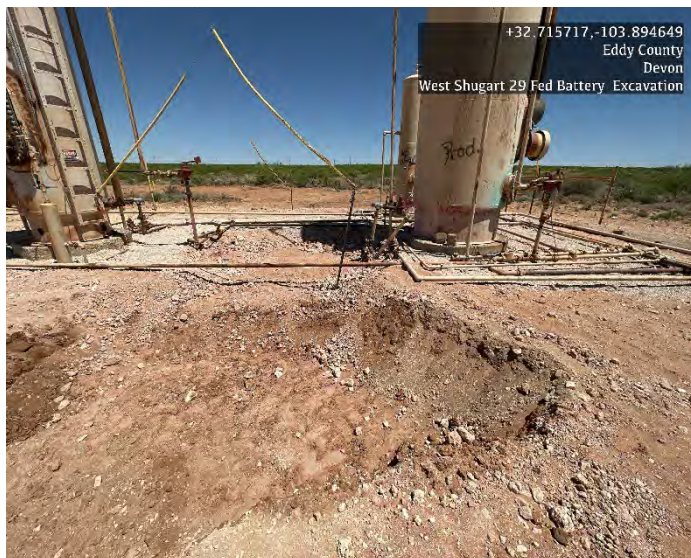


+32.715758,-103.894678  
Eddy County  
Devon Energy  
West Shugart 29 Fed Battery  
Assessment





## Excavation







Post Excavation











Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed Batt.

Work Order: E209165

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/4/22

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.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/4/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: West Shugart 29 Fed Batt.  
Workorder: E209165  
Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: West Shugart 29 Fed Batt..

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed Batt. 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:    | West Shugart 29 Fed Batt. | Reported:      |
| PO Box 247                           | Project Number:  | 01058-0007                |                |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/04/22 16:17 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| S.1 - 1'         | E209165-01A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.1 - 3'         | E209165-02A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.1 - 4'         | E209165-03A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.2 - 1'         | E209165-04A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.2 - 3'         | E209165-05A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.2 - 4'         | E209165-06A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.3 - 1'         | E209165-07A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.3 - 3'         | E209165-08A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.3 - 4'         | E209165-09A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.4 - 1'         | E209165-10A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.4 - 3'         | E209165-11A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.4 - 4'         | E209165-12A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.4 - 5'         | E209165-13A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.5 - 1'         | E209165-14A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.5 - 3'         | E209165-15A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.5 - 4'         | E209165-16A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.5 - 5'         | E209165-17A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.6 - 1'         | E209165-18A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.6 - 3'         | E209165-19A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| S.6 - 4'         | E209165-20A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.1 - 1'

E209165-01

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 111 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.1 - 3'

E209165-02

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 109 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 31.6   | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.1 - 4'

E209165-03

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 94.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 103 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 94.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 103 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 110 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.2 - 1'

E209165-04

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 103 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 103 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 117 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.2 - 3'

E209165-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 99.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.4 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 99.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 116 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.2 - 4'

E209165-06

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.5 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.5 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 116 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

## S.3 - 1'

## E209165-07

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.5 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.5 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 111 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.3 - 3'

E209165-08

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.1 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.1 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 111 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.3 - 4'

E209165-09

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 96.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 96.3 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 115 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.4 - 1'

E209165-10

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.6 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | 1020   | 500             | 20       | 09/29/22    | 09/30/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 1000            | 20       | 09/29/22    | 09/30/22 |                |
| Surrogate: n-Nonane                                   | 184 %  | 50-200          |          | 09/29/22    | 09/30/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 2520   | 40.0            | 2        | 09/30/22    | 09/30/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.4 - 3'

E209165-11

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | 1680   | 500             | 20       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 1000            | 20       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 190 %  | 50-200          |          | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 1990   | 40.0            | 2        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.4 - 4'

E209165-12

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND            | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | <b>0.0480</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND            | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | <b>0.128</b>  | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | <b>0.128</b>  | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | <b>0.256</b>  | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.3 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %         | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.6 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.3 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %         | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.6 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | <b>17000</b>  | 1250            | 50       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | <b>6820</b>   | 2500            | 50       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 301 %         | 50-200          |          | 09/29/22    | 10/01/22 | S5             |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | <b>5290</b>   | 100             | 5        | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.4 - 5'

E209165-13

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.1 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 96.7 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.1 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 118 %  | 50-200          |          | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 09/30/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.5 - 1'

E209165-14

| Analyte   | Result        | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|---------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND            | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | <b>0.504</b>  | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | <b>0.0785</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | <b>0.918</b>  | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | <b>1.23</b>   | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | <b>2.15</b>   | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.3 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 100 %         | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.8 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | <b>84.1</b>   | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.3 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 100 %         | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 98.8 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | <b>19600</b>  | 2500            | 100      | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | <b>6390</b>   | 5000            | 100      | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 55.4 %        | 50-200          |          | 09/29/22    | 10/01/22 | S5             |
| <b>Anions by EPA 300.0/9056A</b>                      |               |                 |          |             |          |                |
|   | mg/kg         | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | <b>11000</b>  | 400             | 20       | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.5 - 3'

E209165-15

| Analyte   | Result       | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND           | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | <b>0.248</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND           | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | <b>0.516</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | <b>0.651</b> | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | <b>1.17</b>  | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.1 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.3 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | <b>56.0</b>  | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.1 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %        | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.3 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | <b>8350</b>  | 1250            | 50       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | <b>2710</b>  | 2500            | 50       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 295 %        | 50-200          |          | 09/29/22    | 10/01/22 | S5             |
| <b>Anions by EPA 300.0/9056A</b>                      |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | <b>10300</b> | 400             | 20       | 09/30/22    | 09/30/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.5 - 4'

E209165-16

| Analyte   | Result       | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND           | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | <b>0.193</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND           | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | <b>0.410</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | <b>0.493</b> | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | <b>0.903</b> | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.7 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.0 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.8 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | <b>52.9</b>  | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.7 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.0 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.8 %       | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | <b>16100</b> | 1250            | 50       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | <b>6430</b>  | 2500            | 50       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 307 %        | 50-200          |          | 09/29/22    | 10/01/22 | S5             |
| <b>Anions by EPA 300.0/9056A</b>                      |              |                 |          |             |          |                |
|   | mg/kg        | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | <b>12300</b> | 400             | 20       | 09/30/22    | 09/30/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.5 - 5'

E209165-17

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         |        | 100 %           | 70-130   | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.6 %          | 70-130   | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 |        | 96.5 %          | 70-130   | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         |        | 100 %           | 70-130   | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.6 %          | 70-130   | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 |        | 96.5 %          | 70-130   | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   |        | 118 %           | 50-200   | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.6 - 1'

E209165-18

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 95.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 95.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | 548    | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | 348    | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 133 %  | 50-200          |          | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 4400   | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.6 - 3'

E209165-19

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 98.0 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 96.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | 728    | 250             | 10       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 500             | 10       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 134 %  | 50-200          |          | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 3380   | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 4:17:44PM

S.6 - 4'

E209165-20

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 09/30/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240061 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 09/30/22 |                |
| Surrogate: Bromofluorobenzene                         | 99.2 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.9 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| Surrogate: Toluene-d8                                 | 97.8 % | 70-130          |          | 09/28/22    | 09/30/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240048 |
| Diesel Range Organics (C10-C28)                       | 1430   | 250             | 10       | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | 674    | 500             | 10       | 09/29/22    | 10/01/22 |                |
| Surrogate: n-Nonane                                   | 139 %  | 50-200          |          | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240094 |
| Chloride  | 8660   | 100             | 5        | 09/30/22    | 10/01/22 |                |





## QC Summary Data

|                                      |                  |                           |   |
|--------------------------------------|------------------|---------------------------|---|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b><br>10/4/2022 4:17:44PM |
| PO Box 247                           | Project Number:  | 01058-0007                |   |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 |   |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2240061-BLK1)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.495 |        | 0.500 |  | 99.0 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.498 |        | 0.500 |  | 99.6 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.480 |        | 0.500 |  | 95.9 | 70-130 |  |  |  |

## LCS (2240061-BS1)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.06  | 0.0250 | 2.50  |  | 82.4 | 70-130 |  |  |  |
| Ethylbenzene                     | 1.95  | 0.0250 | 2.50  |  | 77.9 | 70-130 |  |  |  |
| Toluene                          | 1.95  | 0.0250 | 2.50  |  | 78.0 | 70-130 |  |  |  |
| o-Xylene                         | 1.97  | 0.0250 | 2.50  |  | 78.8 | 70-130 |  |  |  |
| p,m-Xylene                       | 3.88  | 0.0500 | 5.00  |  | 77.7 | 70-130 |  |  |  |
| Total Xylenes                    | 5.86  | 0.0250 | 7.50  |  | 78.1 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.503 |        | 0.500 |  | 101  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.516 |        | 0.500 |  | 103  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.474 |        | 0.500 |  | 94.7 | 70-130 |  |  |  |

## LCS Dup (2240061-BSD1)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |        |       |  |      |        |      |    |  |
|----------------------------------|-------|--------|-------|--|------|--------|------|----|--|
| Benzene                          | 2.25  | 0.0250 | 2.50  |  | 90.0 | 70-130 | 8.84 | 23 |  |
| Ethylbenzene                     | 2.18  | 0.0250 | 2.50  |  | 87.3 | 70-130 | 11.4 | 27 |  |
| Toluene                          | 2.17  | 0.0250 | 2.50  |  | 86.8 | 70-130 | 10.7 | 24 |  |
| o-Xylene                         | 2.21  | 0.0250 | 2.50  |  | 88.3 | 70-130 | 11.3 | 27 |  |
| p,m-Xylene                       | 4.35  | 0.0500 | 5.00  |  | 86.9 | 70-130 | 11.2 | 27 |  |
| Total Xylenes                    | 6.55  | 0.0250 | 7.50  |  | 87.4 | 70-130 | 11.2 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.507 |        | 0.500 |  | 101  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.499 |        | 0.500 |  | 99.7 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.485 |        | 0.500 |  | 96.9 | 70-130 |      |    |  |



## QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b>    |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 4:17:44PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

## Blank (2240061-BLK1)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.495 |      | 0.500 |  | 99.0 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.498 |      | 0.500 |  | 99.6 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.480 |      | 0.500 |  | 95.9 | 70-130 |  |  |  |

## LCS (2240061-BS2)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 37.2  | 20.0 | 50.0  |  | 74.4 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.495 |      | 0.500 |  | 98.9 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.507 |      | 0.500 |  | 101  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.478 |      | 0.500 |  | 95.5 | 70-130 |  |  |  |

## LCS Dup (2240061-BSD2)

Prepared: 09/28/22 Analyzed: 09/30/22

|                                  |       |      |       |  |      |        |      |    |  |
|----------------------------------|-------|------|-------|--|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 40.9  | 20.0 | 50.0  |  | 81.7 | 70-130 | 9.39 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.485 |      | 0.500 |  | 97.0 | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.500 |      | 0.500 |  | 99.9 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.476 |      | 0.500 |  | 95.2 | 70-130 |      |    |  |



## QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b>    |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 4:17:44PM |

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

Analyst: JL

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

## Blank (2240048-BLK1)

Prepared: 09/29/22 Analyzed: 09/30/22

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: n-Nonane             | 56.7 |      | 50.0 |  | 113 | 50-200 |  |  |  |

## LCS (2240048-BS1)

Prepared: 09/29/22 Analyzed: 09/30/22

|                                 |      |      |      |  |      |        |  |  |  |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 232  | 25.0 | 250  |  | 92.7 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 54.4 |      | 50.0 |  | 109  | 50-200 |  |  |  |

## Matrix Spike (2240048-MS1)

Source: E209165-05

Prepared: 09/29/22 Analyzed: 09/30/22

|                                 |      |      |      |    |      |        |  |  |  |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 233  | 25.0 | 250  | ND | 93.3 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 53.0 |      | 50.0 |    | 106  | 50-200 |  |  |  |

## Matrix Spike Dup (2240048-MSD1)

Source: E209165-05

Prepared: 09/29/22 Analyzed: 09/30/22

|                                 |      |      |      |    |      |        |       |    |  |
|---------------------------------|------|------|------|----|------|--------|-------|----|--|
| Diesel Range Organics (C10-C28) | 235  | 25.0 | 250  | ND | 93.9 | 38-132 | 0.685 | 20 |  |
| Surrogate: n-Nonane             | 56.4 |      | 50.0 |    | 113  | 50-200 |       |    |  |



QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | Reported:           |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 4:17:44PM |

Anions by EPA 300.0/9056A

Analyst: KL

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

|                        |     |      |     |  |                                       |        |       |    |  |
|------------------------|-----|------|-----|--|---------------------------------------|--------|-------|----|--|
| Blank (2240094-BLK1)   |     |      |     |  | Prepared: 09/30/22 Analyzed: 09/30/22 |        |       |    |  |
| Chloride               | ND  | 20.0 |     |  |                                       |        |       |    |  |
| LCS (2240094-BS1)      |     |      |     |  | Prepared: 09/30/22 Analyzed: 09/30/22 |        |       |    |  |
| Chloride               | 245 | 20.0 | 250 |  | 97.9                                  | 90-110 |       |    |  |
| LCS Dup (2240094-BSD1) |     |      |     |  | Prepared: 09/30/22 Analyzed: 09/30/22 |        |       |    |  |
| Chloride               | 246 | 20.0 | 250 |  | 98.4                                  | 90-110 | 0.488 | 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:    | West Shugart 29 Fed Batt. |                |
| PO Box 247                           | Project Number:  | 01058-0007                | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/04/22 16:17 |

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 4

|   |  |  |  |                           |  |  |  |                         |  |  |  |                            |  |  |  |                     |  |  |  |
|---|--|--|--|---------------------------|--|--|--|-------------------------|--|--|--|----------------------------|--|--|--|---------------------|--|--|--|
| Client: Pima Environmental Services       |  |  |  | Bill To                   |  |  |  | Lab Use Only            |  |  |  | TAT                        |  |  |  | EPA Program         |  |  |  |
| Project: <u>West Shugart 29 Fed Batt.</u> |  |  |  | Attention: <u>Devon</u>   |  |  |  | Lab WO# <u>E2091105</u> |  |  |  | Job Number <u>06580007</u> |  |  |  | 1D 2D 3D Standard X |  |  |  |
| Project Manager: Tom Bynum                |  |  |  | Address:                  |  |  |  |                         |  |  |  |                            |  |  |  | CWA SDWA            |  |  |  |
| Address: 5614 N. Lovington Hwy.           |  |  |  | City, State, Zip          |  |  |  |                         |  |  |  |                            |  |  |  | RCRA                |  |  |  |
| City, State, Zip Hobbs, NM. 88240         |  |  |  | Phone:                    |  |  |  |                         |  |  |  |                            |  |  |  |                     |  |  |  |
| Phone: 580-748-1613                       |  |  |  | Email:                    |  |  |  |                         |  |  |  |                            |  |  |  |                     |  |  |  |
| Email: tom@pimaoil.com                    |  |  |  | Pima Project # <u>205</u> |  |  |  |                         |  |  |  |                            |  |  |  |                     |  |  |  |
| Report due by: <u>Ned Rogers</u>          |  |  |  |                           |  |  |  |                         |  |  |  |                            |  |  |  |                     |  |  |  |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BDOC NM | BDOC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|---------|---------|---------|
| 8:00         | 9-23-22      | S      | 1                 | S.1-1'    | 1          |                 |                 |              |             |             |                | X       |         |         |
| 8:05         |              |        |                   | S.1-3'    | 2          |                 |                 |              |             |             |                |         |         |         |
| 8:10         |              |        |                   | S.1-4'    | 3          |                 |                 |              |             |             |                |         |         |         |
| 8:15         |              |        |                   | S.2-1'    | 4          |                 |                 |              |             |             |                |         |         |         |
| 8:20         |              |        |                   | S.2-3'    | 5          |                 |                 |              |             |             |                |         |         |         |
| 8:25         |              |        |                   | S.2-4'    | 6          |                 |                 |              |             |             |                |         |         |         |
| 8:30         |              |        |                   | S.3-1'    | 7          |                 |                 |              |             |             |                |         |         |         |
| 8:35         |              |        |                   | S.3-3'    | 8          |                 |                 |              |             |             |                |         |         |         |
| 8:40         |              |        |                   | S.3-4'    | 9          |                 |                 |              |             |             |                |         |         |         |
| 8:45         |              |        |                   | S.4-1'    | 10         |                 |                 |              |             |             |                |         |         |         |

Additional Instructions: 21024973

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) [Signature] Date 9-23-22 Time 11:00 Received by: (Signature) [Signature] Date 9-23-22 Time 3:00

Relinquished by: (Signature) [Signature] Date 9-27-22 Time 4:15p Received by: (Signature) [Signature] Date 9-28-22 Time 1000

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Lab Use Only  
Received on ice: Y N  
T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
AVG Temp °C 4

Sample Matrix: S - Soil, Sl - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass p - poly/plastic, ag - amber glass, v - VOA

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

## Project Information

## Chain of Custody

Page 2 of 4

|   |              |        |                   |           |   |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
|---|--------------|--------|-------------------|-----------|---|---|--|--|--|--|---|---|--|--|--|--|--|--|--|-------------------------------------|--|
| <b>Client:</b> Pima Environmental Services<br><b>Project:</b> West Snugport 29 Fed Battery<br><b>Project Manager:</b> Tom Bynum<br><b>Address:</b> 5614 N. Lovington Hwy.<br><b>City, State, Zip:</b> Hobbs, NM, 88240<br><b>Phone:</b> 580-748-1613<br><b>Email:</b> tom@pimaoil.com<br><b>Report due by:</b> Ned Rogers   |              |        |                   |           | <b>Bill To:</b> <u>Devon</u><br><b>Attention:</b> <u>Devon</u><br><b>Address:</b> _____<br><b>City, State, Zip:</b> _____<br><b>Phone:</b> _____<br><b>Email:</b> _____<br><b>Pima Project #</b> <u>205</u> |   |  |  |  | <b>Lab Use Only</b><br><b>Lab WO#</b> <u>E2091105</u> <b>Job Number</b> <u>016580007</u><br><b>Analysis and Method</b><br>DRO/ORO by 8015<br>GRO/DRO by 8015<br>BTEX by 8021<br>VOC by 8260<br>Metals 6010<br>Chloride 300.0<br>BGDOC NM<br>BGDOC TX |   |   |  |  |  | <b>TAT</b><br>1D 2D 3D Standard <u>X</u> |  |  |  | <b>EPA Program</b><br>CWA SDWA RCRA |  |
|   |              |        |                   |           |   |   |  |  |  |  | <b>State</b><br>NM CO UT AZ TX <u>X</u> |   |  |  |  |  |  |  |  |                                     |  |
|   |              |        |                   |           |   |   |  |  |  |  | <b>Remarks</b>                          |   |  |  |  |  |  |  |  |                                     |  |
| Time Sampled  | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 8:50  | 9-23-22      | 8      | 1                 | S.4-3'    | 11  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 8:55  |              |        |                   | S.4-4'    | 12  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:00  |              |        |                   | S.4-5'    | 13  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:05  |              |        |                   | S.5-1'    | 14  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:10  |              |        |                   | S.5-3'    | 15  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:15  |              |        |                   | S.5-4'    | 16  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:20  |              |        |                   | S.5-5'    | 17  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:25  |              |        |                   | S.6-1'    | 18  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:30  |              |        |                   | S.6-3'    | 19  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| 9:35  |              |        |                   | S.6-4'    | 20  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| <b>Additional Instructions:</b> <u>21024973</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.  |              |        |                   |           |   |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-23-22</u> Time <u>9:00</u>  |              |        |                   |           |   | Received by: (Signature) <u>[Signature]</u> Date <u>9-23-22</u> Time <u>2:00</u>  |  |  |  |  |   | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |  |  |  |  |  |  |  |                                     |  |
| Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-27-22</u> Time <u>4:15</u>  |              |        |                   |           |   | Received by: (Signature) <u>[Signature]</u> Date <u>9-27-22</u> Time <u>10:00</u> |  |  |  |  |   | <b>Lab Use Only</b><br>Received on ice: <u>Y</u> N<br>T1 T2 T3<br>AVG Temp °C <u>4</u>  |  |  |  |  |  |  |  |                                     |  |
| Sample Matrix <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other  |              |        |                   |           |   |   |  |  |  |  |   |   |  |  |  |  |  |  |  |                                     |  |
| Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - 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: 9/28/2022 12:18:22PM

## 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:  | 09/28/22 10:00             | Work Order ID: | E209165        |
| Phone:  | (575) 631-6977                       | Date Logged In: | 09/27/22 16:38             | Logged In By:  | Alexa Michaels |
| Email:  | tom@pimaoil.com                      | Due Date:       | 10/04/22 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: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project West Shugart 29 Fed Batt. has been split into multiple workorder/reports due to sample volume. WO# are as follows: E209165 and E209166

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: West Shugart 29 Fed Batt.

Work Order: E209166

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/4/22

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.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/4/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: West Shugart 29 Fed Batt.  
Workorder: E209166  
Date Received: 9/28/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: West Shugart 29 Fed Batt..

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed Batt. apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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**Rayny Hagan**  
Technical Representative  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

|                                      |                  |                           |                                    |
|--------------------------------------|------------------|---------------------------|------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b><br>10/04/22 09:43 |
| PO Box 247                           | Project Number:  | 01058-0007                |                                    |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 |                                    |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| S.6 - 5'         | E209166-01A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.1             | E209166-02A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.2             | E209166-03A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.3             | E209166-04A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.4             | E209166-05A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.5             | E209166-06A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.6             | E209166-07A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.7             | E209166-08A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.8             | E209166-09A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.9             | E209166-10A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| SW.10            | E209166-11A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| BG.1             | E209166-12A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |
| BG.2             | E209166-13A   | Soil   | 09/23/22 | 09/28/22 | Glass Jar, 4 oz. |





## Sample Data

|   |   |   |
|---|---|---|
| Pima Environmental Services-Carlsbad<br>PO Box 247<br>Plains TX, 79355-0247 | Project Name: West Shugart 29 Fed Batt.<br>Project Number: 01058-0007<br>Project Manager: Tom Bynum | <b>Reported:</b><br>10/4/2022 9:43:56AM |
|---|---|---|

S.6 - 5'

E209166-01

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 99.8 % | 70-130          |             | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 84.1 % | 70-130          |             | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            | 115 %  | 50-200          |             | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.1

## E209166-02

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   | 99.5 % | 70-130          |             | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   | 89.0 % | 70-130          |             | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   | 119 %  | 50-200          |             | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.2

## E209166-03

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 10/01/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 100 %           | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 89.2 %          | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240049 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 119 %           | 50-200   | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240095 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.3

## E209166-04

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 101 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 89.7 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 121 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.4

## E209166-05

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 10/01/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 102 %           | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 87.6 %          | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240049 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 115 %           | 50-200   | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240095 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.5

## E209166-06

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 102 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 88.9 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 119 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.6

## E209166-07

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 103 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 87.4 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 115 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.7

## E209166-08

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 103 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 88.0 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 122 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.8

## E209166-09

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 103 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 87.0 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 121 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.9

## E209166-10

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 103 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 87.2 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 118 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## SW.10

## E209166-11

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 10/01/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 102 %           | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 86.5 %          | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240049 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 124 %           | 50-200   | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240095 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 10/01/22 |                |



## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## BG.1

## E209166-12

| Analyte   | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|---|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Benzene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| Toluene   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 09/28/22    | 10/01/22 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|   |        | 102 %           | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2240062 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 09/28/22    | 10/01/22 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|   |        | 84.3 %          | 70-130   | 09/28/22    | 10/01/22 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: JL |          | Batch: 2240049 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 09/29/22    | 10/01/22 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 09/29/22    | 10/01/22 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|   |        | 125 %           | 50-200   | 09/29/22    | 10/01/22 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: KL |          | Batch: 2240095 |
| Chloride  | ND     | 20.0            | 1        | 09/30/22    | 10/01/22 |                |





## Sample Data

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

Project Name: West Shugart 29 Fed Batt.  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/4/2022 9:43:56AM

## BG.2

## E209166-13

| Analyte   | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Benzene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Ethylbenzene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| Toluene   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| o-Xylene  | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| p,m-Xylene  | ND     | 0.0500          | 1           | 09/28/22 | 10/01/22       |       |
| Total Xylenes   | ND     | 0.0250          | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|   |        | 102 %           | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2240062 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 09/28/22 | 10/01/22       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|   |        | 86.8 %          | 70-130      | 09/28/22 | 10/01/22       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: JL |          | Batch: 2240049 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 09/29/22 | 10/01/22       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 09/29/22 | 10/01/22       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|   |        | 128 %           | 50-200      | 09/29/22 | 10/01/22       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|   | mg/kg  | mg/kg           | Analyst: KL |          | Batch: 2240095 |       |
| Chloride  | ND     | 20.0            | 1           | 09/30/22 | 10/01/22       |       |



## QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b>    |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 9:43:56AM |

## Volatile Organics by EPA 8021B

Analyst: IY

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

## Blank (2240062-BLK1)

Prepared: 09/28/22 Analyzed: 10/01/22

|                                     |      |        |      |  |     |        |  |  |  |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| 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 | 8.06 |        | 8.00 |  | 101 | 70-130 |  |  |  |

## LCS (2240062-BS1)

Prepared: 09/28/22 Analyzed: 10/01/22

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.88 | 0.0250 | 5.00 |  | 97.6 | 70-130 |  |  |  |
| Ethylbenzene                        | 3.99 | 0.0250 | 5.00 |  | 79.8 | 70-130 |  |  |  |
| Toluene                             | 4.25 | 0.0250 | 5.00 |  | 85.0 | 70-130 |  |  |  |
| o-Xylene                            | 4.06 | 0.0250 | 5.00 |  | 81.3 | 70-130 |  |  |  |
| p,m-Xylene                          | 8.08 | 0.0500 | 10.0 |  | 80.8 | 70-130 |  |  |  |
| Total Xylenes                       | 12.1 | 0.0250 | 15.0 |  | 80.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.02 |        | 8.00 |  | 100  | 70-130 |  |  |  |

## LCS Dup (2240062-BS1)

Prepared: 09/28/22 Analyzed: 10/01/22

|                                     |      |        |      |  |      |        |      |    |  |
|-------------------------------------|------|--------|------|--|------|--------|------|----|--|
| Benzene                             | 4.56 | 0.0250 | 5.00 |  | 91.2 | 70-130 | 6.81 | 20 |  |
| Ethylbenzene                        | 3.74 | 0.0250 | 5.00 |  | 74.7 | 70-130 | 6.54 | 20 |  |
| Toluene                             | 3.98 | 0.0250 | 5.00 |  | 79.5 | 70-130 | 6.69 | 20 |  |
| o-Xylene                            | 3.80 | 0.0250 | 5.00 |  | 76.0 | 70-130 | 6.71 | 20 |  |
| p,m-Xylene                          | 7.59 | 0.0500 | 10.0 |  | 75.9 | 70-130 | 6.28 | 20 |  |
| Total Xylenes                       | 11.4 | 0.0250 | 15.0 |  | 75.9 | 70-130 | 6.43 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.04 |        | 8.00 |  | 100  | 70-130 |      |    |  |



## QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b>    |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 9:43:56AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

## Blank (2240062-BLK1)

Prepared: 09/28/22 Analyzed: 10/01/22

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.86 |      | 8.00 |  | 85.8 | 70-130 |  |  |  |

## LCS (2240062-BS2)

Prepared: 09/28/22 Analyzed: 10/01/22

|   |      |      |      |  |      |        |  |  |  |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 46.5 | 20.0 | 50.0 |  | 93.0 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.97 |      | 8.00 |  | 87.1 | 70-130 |  |  |  |

## LCS Dup (2240062-BSD2)

Prepared: 09/28/22 Analyzed: 10/01/22

|   |      |      |      |  |      |        |      |    |  |
|---|------|------|------|--|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 47.1 | 20.0 | 50.0 |  | 94.2 | 70-130 | 1.29 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.05 |      | 8.00 |  | 88.1 | 70-130 |      |    |  |



## QC Summary Data

|                                      |                  |                           |                     |
|--------------------------------------|------------------|---------------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | <b>Reported:</b>    |
| PO Box 247                           | Project Number:  | 01058-0007                |                     |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/4/2022 9:43:56AM |

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

Analyst: JL

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

## Blank (2240049-BLK1)

Prepared: 09/29/22 Analyzed: 10/01/22

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: n-Nonane             | 59.6 |      | 50.0 |  | 119 | 50-200 |  |  |  |

## LCS (2240049-BS1)

Prepared: 09/29/22 Analyzed: 10/01/22

|                                 |      |      |      |  |      |        |  |  |  |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 235  | 25.0 | 250  |  | 94.1 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 62.2 |      | 50.0 |  | 124  | 50-200 |  |  |  |

## Matrix Spike (2240049-MS1)

Source: E209166-08

Prepared: 09/29/22 Analyzed: 10/01/22

|                                 |      |      |      |    |      |        |  |  |  |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 235  | 25.0 | 250  | ND | 94.2 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 60.0 |      | 50.0 |    | 120  | 50-200 |  |  |  |

## Matrix Spike Dup (2240049-MSD1)

Source: E209166-08

Prepared: 09/29/22 Analyzed: 10/01/22

|                                 |      |      |      |    |      |        |       |    |  |
|---------------------------------|------|------|------|----|------|--------|-------|----|--|
| Diesel Range Organics (C10-C28) | 237  | 25.0 | 250  | ND | 94.7 | 38-132 | 0.590 | 20 |  |
| Surrogate: n-Nonane             | 61.1 |      | 50.0 |    | 122  | 50-200 |       |    |  |



QC Summary Data

|                                      |                  |                           |                                      |
|--------------------------------------|------------------|---------------------------|--------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name:    | West Shugart 29 Fed Batt. | Reported:<br><br>10/4/2022 9:43:56AM |
| PO Box 247                           | Project Number:  | 01058-0007                |                                      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 |                                      |

Anions by EPA 300.0/9056A

Analyst: KL

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

|                        |     |      |     |  |                                       |        |      |    |  |
|------------------------|-----|------|-----|--|---------------------------------------|--------|------|----|--|
| Blank (2240095-BLK1)   |     |      |     |  | Prepared: 09/30/22 Analyzed: 10/01/22 |        |      |    |  |
| Chloride               | ND  | 20.0 |     |  |                                       |        |      |    |  |
| LCS (2240095-BS1)      |     |      |     |  | Prepared: 09/30/22 Analyzed: 10/01/22 |        |      |    |  |
| Chloride               | 240 | 20.0 | 250 |  | 96.0                                  | 90-110 |      |    |  |
| LCS Dup (2240095-BSD1) |     |      |     |  | Prepared: 09/30/22 Analyzed: 10/01/22 |        |      |    |  |
| Chloride               | 245 | 20.0 | 250 |  | 97.8                                  | 90-110 | 1.94 | 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:    | West Shugart 29 Fed Batt. |                |
| PO Box 247                           | Project Number:  | 01058-0007                | Reported:      |
| Plains TX, 79355-0247                | Project Manager: | Tom Bynum                 | 10/04/22 09:43 |

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

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

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

## Project Information

## Chain of Custody

Page 3 of 4

|   |  |  |  |  |                           |  |  |  |  |                                 |  |  |  |  |            |  |  |  |             |  |  |      |    |  |  |  |          |  |  |      |  |  |
|---|--|--|--|--|---------------------------|--|--|--|--|---------------------------------|--|--|--|--|------------|--|--|--|-------------|--|--|------|----|--|--|--|----------|--|--|------|--|--|
| Client: Pima Environmental Services         |  |  |  |  | Bill To                   |  |  |  |  | Lab Use Only                    |  |  |  |  | TAT        |  |  |  | EPA Program |  |  |      |    |  |  |  |          |  |  |      |  |  |
| Project: <u>West Shugart 29 Fed Battery</u> |  |  |  |  | Attention: <u>Devon</u>   |  |  |  |  | Lab WO# <u>E289166106580007</u> |  |  |  |  | Job Number |  |  |  | CWA         |  |  | SDWA |    |  |  |  |          |  |  |      |  |  |
| Project Manager: Tom Bynum                  |  |  |  |  | Address:                  |  |  |  |  | Analysis and Method             |  |  |  |  | 1D         |  |  |  | 2D          |  |  |      | 3D |  |  |  | Standard |  |  | 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 # <u>205</u> |  |  |  |  |                                 |  |  |  |  |            |  |  |  |             |  |  |      |    |  |  |  |          |  |  |      |  |  |
| Report due by: <u>Ned Rogers</u>            |  |  |  |  |                           |  |  |  |  |                                 |  |  |  |  |            |  |  |  |             |  |  |      |    |  |  |  |          |  |  |      |  |  |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|---------|
| 9:40         | 9-23-22      | S      | 1                 | S.6-5'    | 1          |                 |                 |              |             |             |                | X        |          |         |
| 9:45         |              |        |                   | SW.1      | 2          |                 |                 |              |             |             |                |          |          |         |
| 9:50         |              |        |                   | SW.2      | 3          |                 |                 |              |             |             |                |          |          |         |
| 10:00        |              |        |                   | SW.3      | 4          |                 |                 |              |             |             |                |          |          |         |
| 10:05        |              |        |                   | SW.4      | 5          |                 |                 |              |             |             |                |          |          |         |
| 10:10        |              |        |                   | SW.5      | 6          |                 |                 |              |             |             |                |          |          |         |
| 10:20        |              |        |                   | SW.6      | 7          |                 |                 |              |             |             |                |          |          |         |
| 10:25        |              |        |                   | SW.7      | 8          |                 |                 |              |             |             |                |          |          |         |
| 10:30        |              |        |                   | SW.8      | 9          |                 |                 |              |             |             |                |          |          |         |
| 10:35        |              |        |                   | SW.9      | 10         |                 |                 |              |             |             |                |          |          |         |

Additional Instructions: 21024973

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) Ned Rogers Date 9/23/22 Time 11:00

Received by: (Signature) Devon Date 9/23/22 Time 3:00

Relinquished by: (Signature) Devon Date 9/27/22 Time 4:15

Received by: (Signature) Devon Date 9/28/22 Time 1000

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

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

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

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

## Project Information

## Chain of Custody

Page 4 of 4

|  |  |  |  |  |   |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Client: Pima Environmental Services</b><br><b>Project:</b> <u>West Sugar + 29 Fed Battery</u><br><b>Project Manager:</b> <u>Tom Bynum</u><br><b>Address:</b> <u>5614 N. Lovington Hwy.</u><br><b>City, State, Zip:</b> <u>Hobbs, NM. 88240</u><br><b>Phone:</b> <u>580-748-1613</u><br><b>Email:</b> <u>tom@pimaoil.com</u><br><b>Report due by:</b> <u>Ned Rogers</u>                                    |  |  |  |  | <b>Bill To</b><br><b>Attention:</b> <u>Devon</u><br><b>Address:</b> _____<br><b>City, State, Zip:</b> _____<br><b>Phone:</b> _____<br><b>Email:</b> _____<br><b>Pima Project #</b> <u>205</u> |  |  |  |  | <b>Lab Use Only</b><br><b>Lab WO#</b> <u>E2091166</u> <b>Job Number</b> <u>010586007</u><br><b>Analysis and Method</b><br>DRO/DRO by 8015<br>GRO/DRO by 8015<br>BTEX by 8021<br>VOC by 8260<br>Metals 6010<br>Chloride 300.0<br>NM<br>BDOC TX |  |  |  |  | <b>TAT</b><br>1D 2D 3D<br>Standard <input checked="" type="checkbox"/> |  |  | <b>EPA Program</b><br>CWA SDWA<br>RCRA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Time Sampled</b><br><u>10:40</u><br><u>10:45</u><br><u>10:50</u>  |  |  |  |  | <b>Date Sampled</b><br><u>9/23/22</u><br><u>↓</u><br><u>↓</u>   |  |  |  |  | <b>Matrix</b><br><u>S</u><br><u>↓</u><br><u>↓</u>   |  |  |  |  | <b>No. of Containers</b><br><u>1</u><br><u>↓</u><br><u>↓</u>           |  |  |  |  | <b>Sample ID</b><br><u>SW.10</u><br><u>BG.1</u><br><u>BG.2</u> |  |  |  |  | <b>Lab Number</b><br><u>11</u><br><u>12</u><br><u>13</u> |  |  |  |  | <b>Remarks</b><br><u>X</u><br><u>↓</u> |  |  |  |  |
| <b>Additional Instructions:</b> <u>21024973</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.  |  |  |  |  |   |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Relinquished by: (Signature)</b> <u>Quiana Benavides</u> <b>Date</b> <u>9/23/22</u> <b>Time</b> <u>11:00</u>  |  |  |  |  |   |  |  |  |  | <b>Received by: (Signature)</b> <u>Ned Rogers</u> <b>Date</b> <u>9/23/22</u> <b>Time</b> <u>2:00</u>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Relinquished by: (Signature)</b> <u>[Signature]</u> <b>Date</b> <u>9/27/22</u> <b>Time</b> <u>4:15</u>  |  |  |  |  |   |  |  |  |  | <b>Received by: (Signature)</b> <u>[Signature]</u> <b>Date</b> <u>9/28/22</u> <b>Time</b> <u>1000</u>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Relinquished by: (Signature)</b> _____ <b>Date</b> _____ <b>Time</b> _____  |  |  |  |  |   |  |  |  |  | <b>Received by: (Signature)</b> _____ <b>Date</b> _____ <b>Time</b> _____   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Sample Matrix</b> <u>S - Soil</u> <u>Sd - Solid</u> <u>Sg - Sludge</u> <u>A - Aqueous</u> <u>O - Other</u>  |  |  |  |  |   |  |  |  |  | <b>Container Type</b> <u>g - glass</u> <u>p - poly/plastic</u> <u>ag - amber glass</u> <u>v - VOA</u>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Note:</b> 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: 9/28/2022 12:19:54PM

## 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:  | 09/28/22 10:00             | Work Order ID: | E209166        |
| Phone:  | (575) 631-6977                       | Date Logged In: | 09/27/22 16:41             | Logged In By:  | Alexa Michaels |
| Email:  | tom@pimaoil.com                      | Due Date:       | 10/04/22 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: UPSComments/Resolution

Project West Shugart 29 Fed Batt. has been split into multiple workorder/reports due to sample volume. WO# are as follows: E209165 and E209166

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.

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

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

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

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

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

CONDITIONS  
  
Action 231669

CONDITIONS

|   |   |
|---|---|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:<br>6137  |
|   | Action Number:<br>231669                                  |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| amaxwell   | None      | 11/28/2023     |