Page 6

Oil Conservation Division

| Incident ID | nAPP2227246284 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Page 1 of 108

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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.11 NMAC
X 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)
X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
X 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: <u>3/20/2023</u> | | | | | |
| email:dale.woodall@dvn.com | Telephone:575-748-1839 | | | | | |
| | | | | | | |
| OCD Only | | | | | | |
| | 00/00/0000 | | | | | |
| Received by: Jocelyn Harimon | Date:03/20/2023 | | | | | |
| 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: <u>Robert Hamlet</u> | Date: <u>8/1/2023</u> | | | | | |
| Printed Name: Robert Hamlet | Title: Environmental Specialist - Advanced | | | | | |

Received by OCD: 3/20/2023 1:20:33 PM Form C-141 State of New Mexico

Oil Conservation Division

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| Incident ID | nAPP2227246284 |
| 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>_<50</u> (ft bgs) |
|---|-------------------------|
| Did this release impact groundwater or surface water? | Yes X No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🗶 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)? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🗴 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? | 🗌 Yes 📐 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | Yes X No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within 300 feet of a wetland? | Yes X No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes д No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes д No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🗴 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🕅 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.

- x Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- x Field data

Page 3

- x Data table of soil contaminant concentration data
- x Depth to water determination
- x Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- **x** Photographs including date and GIS information
- x 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.

| Received by OCD: 3/20/20 | 23 1:20:33 PM State of New Mexico | | | Page 3 of 108 |
|---|--------------------------------------|---|---|---|
| | | | Incident ID | nAPP2227246284 |
| Page 4 | Oil Conservation Division | | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Dale Signature: Dale email: dale.woodall@ | oodall | tifications and perform c OCD does not relieve th reat to groundwater, surf | orrective actions for rele e operator of liability sho ace water, human health oliance with any other feo ntal Professional | ases which may endanger ould their operations have or the environment. In |
| OCD Only Received by: Jocely | n Harimon | Date:(|)3/20/2023 | |

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Oil Conservation Division

| Incident ID | nAPP2227246284 |
|----------------|----------------|
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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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \mathbf{x} 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)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

k 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: <u>3/20/2023</u> |
| email:dale.woodall@dvn.com | Telephone: 575-748-1839 |
| | |
| | |
| OCD Only | |
| Received by: Jocelyn Harimon | Date:03/20/2023 |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |



March 16, 2023

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

| Re: | Site Assessment, Remediation, and Closure Report |
|-----|--|
| | Merlyn 27 22 Fed 2H |
| | API No. 30-015-42386 |
| | GPS: Latitude 32.4396133 Longitude -103.7720556 |
| | UL D, 34, T21S, R31E |
| | Eddy County, NM |
| | NMOCD Ref. No. NAPP2227246284 |

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a Crude oil release that occurred at the Merlyn 27 22 Fed 2H (Merlyn). The initial C-141 was submitted on September 29, 2022 (Appendix C). This incident was assigned Incident ID NAPP2227246284 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Merlyn is located approximately twenty-three (23) miles east of Carlsbad, NM. This spill site is in Unit D, Section 34, Township 21S, Range 31E, Latitude 32.4396133 Longitude -103.7720556, 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 complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Merlyn (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 630 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 178 feet BGS. The closest waterway is a Salt Playa located approximately 3.25 miles to the north of this location. See Appendix A for referenced water surveys.

| Table 1 NMAC and Closure Criteria 19.15.29 | | | | | | | | |
|--|--------------|--|------------------|----------|----------|--|--|--|
| Depth to Groundwater | | Cons | tituent & Limits | | | | | |
| (Appendix A) | Chlorides | Chlorides Total TPH GRO+DRO BTEX Benzene | | | | | | |
| <50' (Lack of GW Data) | 600 mg/kg | 100 mg/kg | | 50 mg/kg | 10 mg/kg | | | |
| 51-100' | 10,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg | | | |
| >100' | 20,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg | | | |

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2227246284: On July 4, 2022, the LO notice spraying mist coming from the well head causing a fluid release. The released fluids were calculated to be approximately 11 barrels (bbls) of crude oil. Vacuum truck was able to recover approximately 6 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On October 6, and November 9, 2022, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') DEVON ENERGY - MERLYN 27-22 FED 2H | | | | | | | | | |
|---|-----------------|-------------|---------------|------------------|--------------|--------------|--------------|--------------------|---------------|
| | | | | | | | | ample Date: | : 10/6/22 & 1 |
| Sample ID | Date Sampled | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| | 10/6/2022 | 1' | ND | ND | ND | 26.1 | ND | ND | ND |
| S-1 | 11/0/2022 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| 5-1 | 11/9/2022 | 3' | ND | ND | ND | ND | ND | 0 | ND |
| | 10/6/2022 | 4' | ND | ND | ND | ND | ND | 0 | ND |
| | 10/6/2022 | 1' | ND | ND | ND | 233 | 94.6 | 327.6 | ND |
| S-2 | 11/9/2022 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| 5-2 | 11/3/2022 | 3' | ND | ND | ND | ND | ND | 0 | ND |
| | 10/6/2022 | 4' | ND | ND | ND | 30.3 | ND | 30.3 | 590 |
| | 10/6/2022 | 1' | ND | ND | ND | 648 | 270 | 918 | 661 |
| S-3 | 11/9/2022 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| 3-5 | 11/9/2022 | 3' | ND | ND | ND | ND | ND | 0 | ND |
| | 10/6/2022 | 4' | ND | ND | ND | 65.6 | ND | 65.6 | 494 |
| | 10/6/2022 | 1' | ND | ND | ND | ND | ND | 0 | ND |
| S-4 | 11/9/2022 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| 3-4 | 11/3/2022 | 3' | ND | ND | ND | ND | ND | 0 | ND |
| | 10/6/2022 | 4' | ND | ND | ND | ND | ND | 0 | 21.7 |
| SW-1 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | 38.1 |
| SW-2 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |
| SW-3 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |
| SW-4 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |
| SW-5 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |
| BG 1 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |
| BG 2 | 10/6/2022 | 6" | ND | ND | ND | ND | ND | 0 | ND |

On January 6, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil 29 cubic yards were hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 12, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

| 1-12-23 Confirmation Sample Results | | | | | | | | |
|-------------------------------------|---|---------------|------------------|--------------|--------------|--------------|--------------------|-------------|
| NM | NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') | | | | | | | |
| | | DEVO | DN ENERGY | - MERLYN | 1 27-22 FED | 2H | | |
| Sample Date | : 1/12/2023 | | | NM Appro | oved Labor | atory Res | ults | |
| Sample ID | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| CS 1 | 2' | ND | ND | ND | ND | ND | 0 | 20 |
| CS 2 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CS 3 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CS 4 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 1 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 2 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 3 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 4 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 5 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 6 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 7 | 2' | ND | ND | ND | ND | ND | 0 | ND |
| CSW 8 | 2' | ND | ND | ND | ND | ND | 0 | ND |

4 42 22 Confirmention Converte Desult

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2227246284 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.

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



Figures:

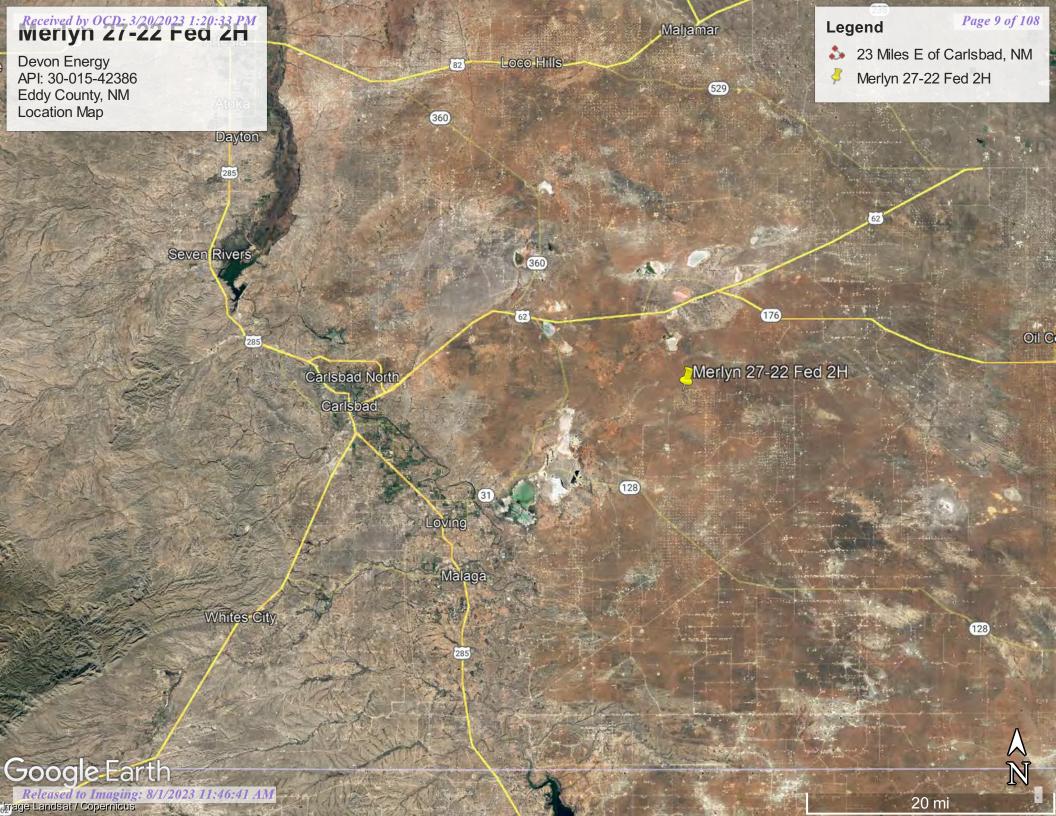
1-Location Map

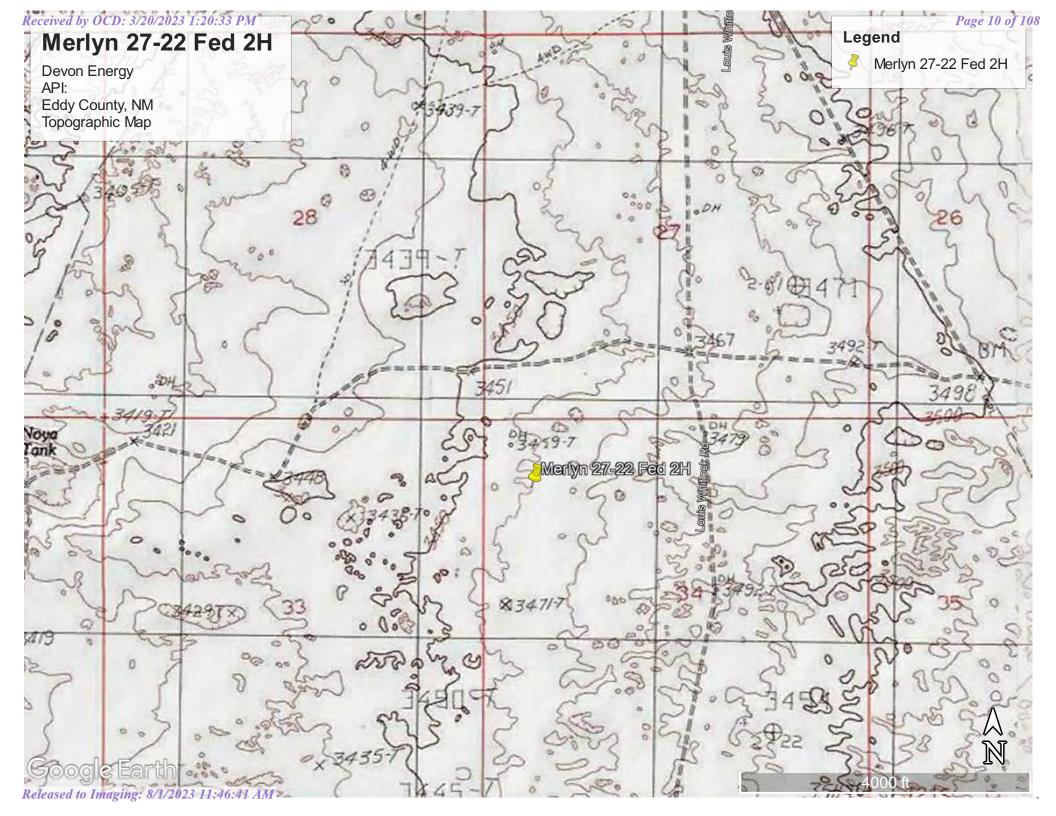
2-Topographic Map

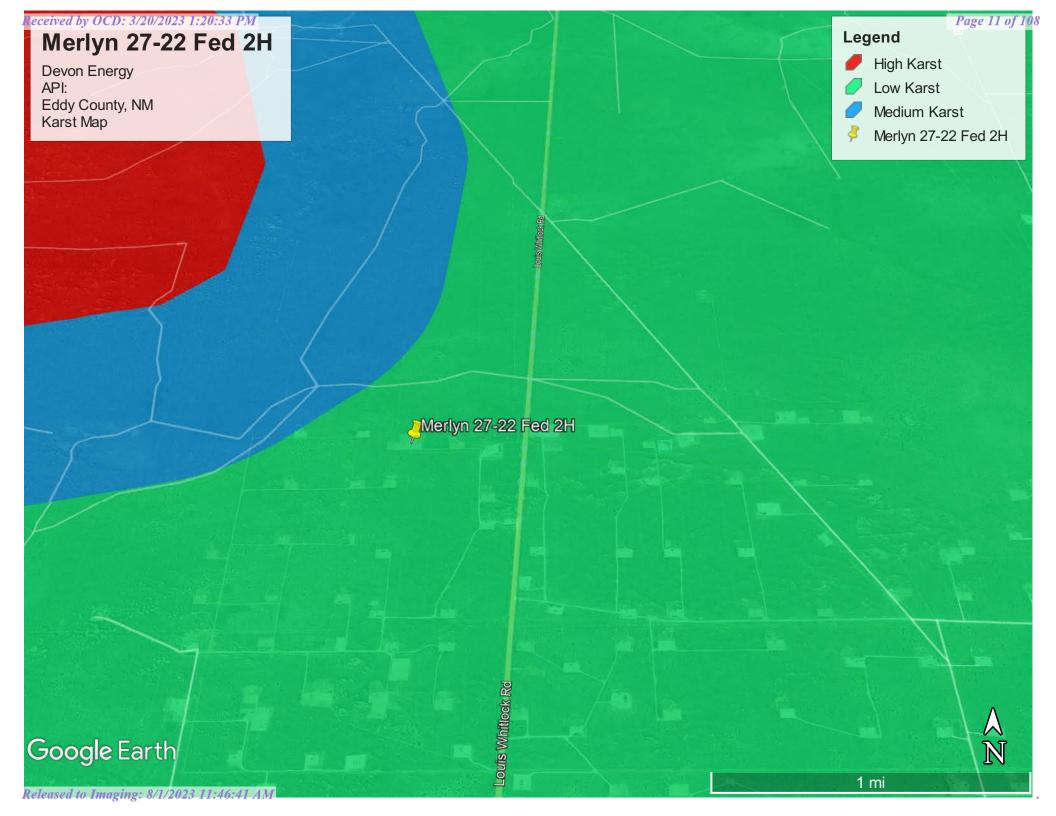
3-Karst Map

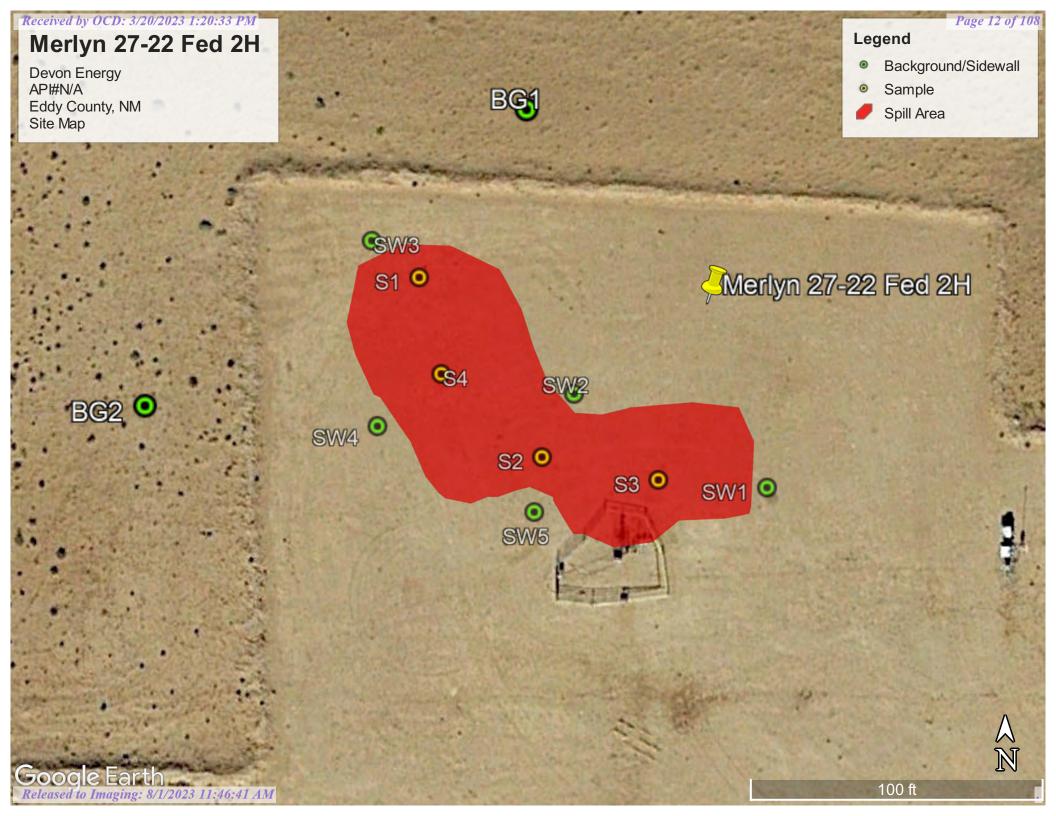
4-Site Map

5-Confirmation Site Map









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

Legend

Confirmation Samples

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- Confirmation Sidewalls
- Merlyn 27-22 Fed 2H



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Appendix A

Water Surveys: OSE USGS Surface Water Map



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the (R=POD has POD suffix indicates the been replaced, POD has been replaced O=orphaned, & no longer serves a (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is water right file.) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet) closed) POD Sub-QQQ Water **POD Number** basin County 64 16 4 Sec Tws Rng Y DistanceDepthWellDepthWater Column Code Х C 02949 EXPL 616140 CUB ED 1 1 4 34 218 31E 3589231* 924 970 <u>C 02727</u> CUB ED 3 1 1 33 218 31E 613716 3589809* 1717 913 C 03233 EXPLORE CUB ED 4 4 4 20 21S 31E 613489 3591816* 2780 566 3586590* C 03112 EXPLORE CUB ED 3 1 1 09 228 31E 613753 3648 3567 C 02744 CUB ED 2 1 11 22S 31E 617374 3586631* 3739 4911 3 C 03002 CUB ED 2 4 06 22S 31E 611933 3587375* 4 4274 668 C 02682 CUB ED 4 4 4 08 22S 31E 613566 3585379* 4825 4400 C 02953 EXPL CUB ED 1 3 1 16 218 31E 613662 3594434* 4934 630 C 03003 610511 CUB ED 3 1 3 31 218 31E 3588970* 🧲 4996 650 630 feet Average Depth to Water: Minimum Depth: 630 feet 630 feet Maximum Depth: Record Count: 9 UTMNAD83 Radius Search (in meters): Easting (X): 615433.65 Northing (Y): 3589828.19 Radius: 5000 *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.

10/5/22 1:44 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

| IICCC | Wator | Resources |
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| 0303 | vvalei | RESOULCES |

| Data Category: | | Geographic Area: | | |
|----------------|---|------------------|---|----|
| Groundwater | ~ | United States | ~ | GO |

Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 322557103502401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

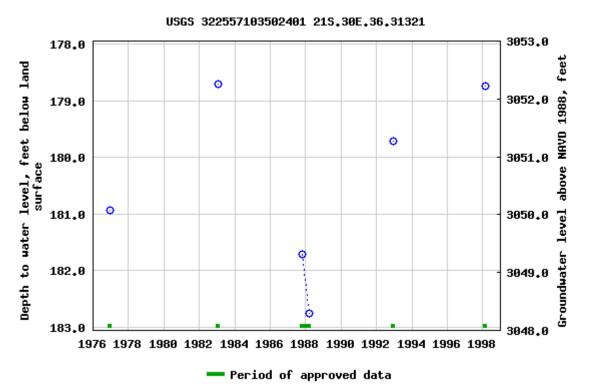
USGS 322557103502401 21S.30E.36.31321

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°25'57", Longitude 103°50'24" NAD27 Land-surface elevation 3,231 feet above NAVD88 This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

| Tab-separated data | Table of data |
|--------------------|--------------------|
| Craph of data | Tab-separated data |
| | Graph of data |
| Reselect period | Reselect period |



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

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Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-10-05 15:49:34 EDT 0.58 0.49 nadww02



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62

Devon Energy API: 30-015-42386 Eddy County, NM Surface Water Map

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 3.25 Miles

 Merlyn 27-22 Fed 2H

176

28

29

62

29

Merlyn 27-22 Fed 2H

799

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Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w43 Elevation: 2,000 to 5,700 feet Mean annual precipitation: 5 to 15 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 260 days Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent Pajarito and similar soils: 25 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts Landform position (three-dimensional): Riser Down-slope shape: Convex Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand H2 - 17 to 58 inches: sandy clay loam H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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

Description of Pajarito

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Pajarito

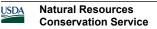
Percent of map unit: 4 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Wink

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

Cacique

Percent of map unit: 4 percent



Ecological site: R070BD004NM - Sandy *Hydric soil rating:* No

Kermit

Percent of map unit: 3 percent Ecological site: R070BD005NM - Deep Sand Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022



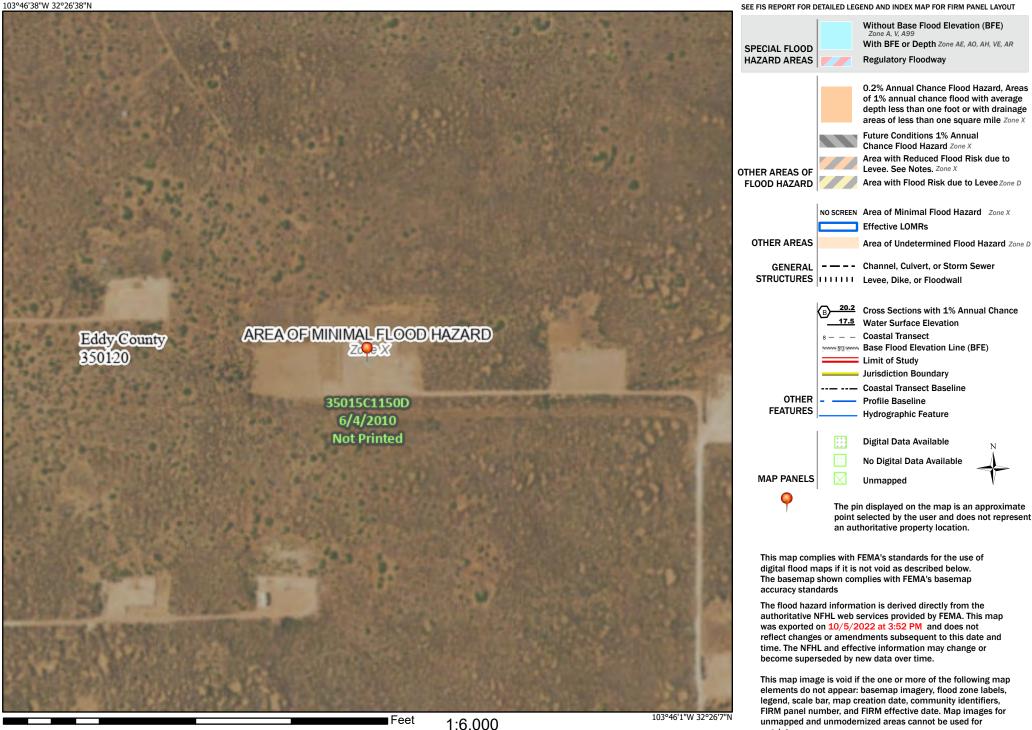
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regulatory purposes.

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Releasea to Imaging: 8/1/2023 19.946:41 AM 1,500 2.000

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

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Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine 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.

National Wetlands Inventory (NWI)

This page was produced by the NWI mapper

Wetlands Map

Released to Imaging: 8/1/2023 11:46:41 AM



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

)

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| Incident ID | nAPP2227246284 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible Party Devon Energy Production Company | OGRID ₆₁₃₇ | | |
|--|--------------------------------|--|--|
| Contact Name Dale Woodall | Contact Telephone 575-748-1838 | | |
| Contact email dale.woodall@dvn.com Incident # (assigned by OCD) nAPP2227246284 | | | |
| Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210 | | | |

Location of Release Source

Latitude 32.4396133

Longitude -103.7720556

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name MERLYN 27-22 FED 2H | Site Type active oil |
|----------------------------------|---|
| Date Release Discovered 7/4/2022 | API# (<i>if applicable</i>) 30-015-42386 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D | 34 | 21S | 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)

| Crude Oil | Volume Released (bbls) 11 | Volume Recovered (bbls) 6 |
|------------------|---|---|
| Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| C (D 1 | · | • |

Cause of Release

^{se} LO received a HT alarm and from the battery he noticed the well was spraying a mist from the well head. The well was shut in and the BOP rams were set. All fluids stayed on pad.

| eived by OCD: 3/20/202 | 3 1:20:33 PM State of New Mexico | | Page 27 oj |
|--|--|----------------------------------|----------------|
| | | Incident ID | nAPP2227246284 |
| e 2 | Oil Conservation Division | District RP | |
| | | Facility ID | |
| | | Application ID | |
| | 1 | | |
| Vas this a major | If YES, for what reason(s) does the responsible part | ty consider this a major release | ? |
| elease as defined by 9.15.29.7(A) NMAC? | Less than 25 bbls | | |
| Yes 🔳 No | | | |
| | | | |
| | | | |
| If YES, was immediate n | otice given to the OCD? By whom? To whom? Wh | en and by what means (phone, | email, etc)? |
| | | | - / |
| | | | |

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

| Printed Name: Kendra Ruiz | Title: EHS Associate |
|------------------------------|-------------------------|
| Signature: Kendra Ruiz | Date: 9/29/2022 |
| email: Kendra.Ruiz@dvn.com | Telephone: 575-748-0167 |
| | |
| OCD Only | |
| Received by: Jocelyn Harimon | Date:02/23/2023 |
| | |

Received by OCD: 3/20/2023 1:20:33 PM Form C-141 State of New Mexico

Oil Conservation Division

| | Page 28 of 10 | <i>V</i> ð |
|----------------|----------------|------------|
| Incident ID | nAPP2227246284 | |
| 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>_<50</u> (ft bgs) |
|---|-------------------------|
| Did this release impact groundwater or surface water? | Yes X No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🗶 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)? | 🗌 Yes д No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🗴 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? | 🗌 Yes 📐 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🗴 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🗶 No |
| Are the lateral extents of the release within 300 feet of a wetland? | Yes X No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes ᡵ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes ᡵ No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🗴 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🕅 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.

- x Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- x Field data

Page 3

- x Data table of soil contaminant concentration data
- x Depth to water determination
- x Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- **x** Photographs including date and GIS information
- x 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.

| Received by OCD: | 3/20/2023 1:20:33 PM State of New Mexico | | | Page 29 of 108 |
|---|---|--|--|---|
| | | | Incident ID | nAPP2227246284 |
| Page 4 | Oil Conservation Division | nservation Division | | |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all oper public health or the failed to adequately addition, OCD acce and/or regulations. | le Woodall | ifications and perform co OCD does not relieve the eat to groundwater, surfa | prrective actions for relea operator of liability sho ce water, human health iance with any other fec tal Professional | ases which may endanger ould their operations have or the environment. In |
| OCD Only | | | | |
| Received by: | | Date: | | |
| | | | | |

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Oil Conservation Division

| Incident ID | nAPP2227246284 |
|----------------|----------------|
| 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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \mathbf{x} 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)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

k 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 | |
|---|-----------------------------------|--|
| Printed Name: Dale Woodall Signature: Dale Woodall | Date: <u>3/20/2023</u> | |
| email:dale.woodall@dvn.com | Telephone:575-748-1839 | |
| | | |
| OCD Only | | |
| <u>OCD Olity</u> | | |
| 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>

Merlyn 27-22 Fed 2H NAPP2227246284 Sampling Confirmation

1 message

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

Tue, Jan 10, 2023 at 10:04 AM

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Merlyn 27-22 Fed 2H for incident NAPP2227246284. Pima personnel are scheduled to be on site for this sampling event at approximately 10:00 a.m. on Thursday, January 12, 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.



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS DEVON ENERGY

MERLYN 27-22 FED H

Pre-Excavation





Excavation





Post Excavation





Appendix E

Laboratory Reports



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:

Merlyn 27-2H

Work Order: E210039

Job Number: 01058-0007

Received: 10/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/13/22

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: 10/13/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Merlyn 27-2H Workorder: E210039 Date Received: 10/10/2022 8:25:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2022 8:25:00AM, under the Project Name: Merlyn 27-2H.

The analytical test results summarized in this report with the Project Name: Merlyn 27-2H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

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| | | Sample Sum | mary | | |
|--------------------------------------|---------------|------------------|--------------|----------|------------------|
| Pima Environmental Services-Carlsbad | | Project Name: | Merlyn 27-2H | | Reported: |
| PO Box 247 | | Project Number: | 01058-0007 | | 10/10/00 10 10 |
| Plains TX, 79355-0247 | | Project Manager: | Tom Bynum | | 10/13/22 13:12 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| 51 - 1' | E210039-01A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 51 - 4' | E210039-02A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 32 - 1' | E210039-03A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 32 - 4' | E210039-04A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 3 - 1' | E210039-05A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 3 - 4' | E210039-06A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 4 - 1' | E210039-07A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| 4 - 4' | E210039-08A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| W1 | E210039-09A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| W2 | E210039-10A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| W3 | E210039-11A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| W4 | E210039-12A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| W5 | E210039-13A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| G1 | E210039-14A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| G2 | E210039-15A | Soil | 10/06/22 | 10/10/22 | Glass Jar, 2 oz. |
| | | | | | |



| | ~• | mpic D | | | | | |
|--|---------------|------------|------------|----------|----------|----------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | | lyn 27-2H | | | | |
| PO Box 247 | Project Numbe | | 01058-0007 | | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | er: Tom | Bynum | | | | 10/13/2022 1:12:08PM |
| | | S1 - 1' | | | | | |
| | | E210039-01 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| o-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| o,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.8 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 96.7 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.8 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 10/10/22 | 10/11/22 | |
| urrogate: Toluene-d8 | | 96.7 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | ЛL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | 26.1 | 25.0 | | 1 | 10/11/22 | 10/11/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/11/22 | |
| Surrogate: n-Nonane | | 104 % | 50-200 | | 10/11/22 | 10/11/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | | 1 | 10/11/22 | 10/12/22 | |

Sample Data



| Sample Data | | | | | | | | | | | |
|---|--|--------------------|-----------------------------|-------------|----------|----------|--|--|--|--|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name: Project Numb Project Manag | er: 0105 | yn 27-2H 8-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM | | | | |
| | | S1 - 4' | | | | | | | | | |
| | | E210039-02 | | | | | | | | | |
| Analyte | Result | Reporting Limit | Dilu | ution | Prepared | Analyzed | Notes | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| o-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| o,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 95.2 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 95.2 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: JL | | | Batch: 2242015 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 10/11/22 | 10/11/22 | | | | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/11/22 | | | | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | | 10/11/22 | 10/11/22 | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RA | AS | | Batch: 2242031 | | | | |
| Chloride | ND | 20.0 | | 1 | 10/11/22 | 10/12/22 | | | | | |



| | Sample Data | | | | | | | | | | | |
|---|---|------------|------------------------------|--------------|----------|----------|--|--|--|--|--|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Num Project Mana | ber: 0105 | yn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM | | | | | |
| | | S2 - 1' | | | | | | | | | | |
| | | E210039-03 | | | | | | | | | | |
| | | Reporting | | | | | | | | | | |
| Analyte | Result | Limit | Dilu | ition 1 | Prepared | Analyzed | Notes | | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | | |
| Benzene | ND | 0.0250 | 1 | L : | 0/10/22 | 10/11/22 | | | | | | |
| Ethylbenzene | ND | 0.0250 | 1 | L i | 0/10/22 | 10/11/22 | | | | | | |
| Toluene | ND | 0.0250 | 1 | l i | 0/10/22 | 10/11/22 | | | | | | |
| o-Xylene | ND | 0.0250 | 1 | l : | 0/10/22 | 10/11/22 | | | | | | |
| p,m-Xylene | ND | 0.0500 | 1 | L : | 0/10/22 | 10/11/22 | | | | | | |
| Total Xylenes | ND | 0.0250 | 1 | l i | 0/10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 94.9 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 95.7 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | L : | 0/10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 94.9 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 95.7 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: JL | | | Batch: 2242015 | | | | | |
| Diesel Range Organics (C10-C28) | 233 | 25.0 | 1 | 1 | 10/11/22 | 10/11/22 | | | | | | |
| Oil Range Organics (C28-C36) | 94.6 | 50.0 | 1 | L : | 0/11/22 | 10/11/22 | | | | | | |
| Surrogate: n-Nonane | | 115 % | 50-200 | | 10/11/22 | 10/11/22 | | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RAS | 5 | | Batch: 2242031 | | | | | |
| Chloride | ND | 20.0 | 1 | L : | 10/11/22 | 10/12/22 | | | | | | |



| | Sample Data | | | | | | | | | | | |
|---|---|------------|-------------------------------|----------|----------|----------|--|--|--|--|--|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Manaş | er: 0105 | lyn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM | | | | | |
| | | S2 - 4' | | | | | | | | | | |
| | | E210039-04 | | | | | | | | | | |
| | | Reporting | | | | | | | | | | |
| Analyte | Result | Limit | Dili | ution | Prepared | Analyzed | Notes | | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 | | | | | |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| o-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 96.0 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 96.6 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 96.0 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 96.6 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2242015 | | | | | |
| Diesel Range Organics (C10-C28) | 30.3 | 25.0 | | 1 | 10/11/22 | 10/11/22 | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/11/22 | | | | | | |
| Surrogate: n-Nonane | | 108 % | 50-200 | | 10/11/22 | 10/11/22 | | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 | | | | | |
| Chloride | 590 | 20.0 | | 1 | 10/11/22 | 10/12/22 | | | | | | |



| Sample Data | | | | | | | | | | | |
|--|--------------|------------|-----------|---------|----------|----------|----------------------|--|--|--|--|
| Pima Environmental Services-Carlsbad | Project Nam | | lyn 27-2H | | | | | | | | |
| PO Box 247 | Project Num | | 58-0007 | | | | Reported: | | | | |
| Plains TX, 79355-0247 | Project Mana | ager: Tom | Bynum | | | | 10/13/2022 1:12:08PM | | | | |
| | | S3 - 1' | | | | | | | | | |
| | | E210039-05 | | | | | | | | | |
| | | Reporting | | | | | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst | IY | | Batch: 2242014 | | | | |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| p-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 96.0 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst | : IY | | Batch: 2242014 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 95.3 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 96.0 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst | : JL | | Batch: 2242015 | | | | |
| Diesel Range Organics (C10-C28) | 648 | 25.0 | | 1 | 10/11/22 | 10/11/22 | | | | | |
| Dil Range Organics (C28-C36) | 270 | 50.0 | | 1 | 10/11/22 | 10/11/22 | | | | | |
| Surrogate: n-Nonane | | 115 % | 50-200 | | 10/11/22 | 10/11/22 | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst | RAS | | Batch: 2242031 | | | | |
| Chloride | 661 | 20.0 | | 1 | 10/11/22 | 10/12/22 | | | | | |



| | S | ample D | ata | | | | |
|---|--|------------|-------------------------------|----------|----------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | oer: 0105 | lyn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM |
| | | S3 - 4' | | | | | |
| | | E210039-06 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 96.2 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 96.5 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 96.2 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 96.5 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | 65.6 | 25.0 | | 1 | 10/11/22 | 10/12/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 108 % | 50-200 | | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 |
| Chloride | 494 | 20.0 | | 1 | 10/11/22 | 10/12/22 | |



| | 5 | ample D | ala | | | | |
|---|--|------------|-------------------------------|----------|----------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name: Project Numb Project Manag | er: 0105 | lyn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM |
| | | S4 - 1' | | | | | |
| | | E210039-07 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| o,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | |
| urrogate: Toluene-d8 | | 97.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 70-130 | | 10/10/22 | 10/11/22 | |
| urrogate: Toluene-d8 | | 97.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 10/11/22 | 10/12/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/12/22 | |
| urrogate: n-Nonane | | 109 % | 50-200 | | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | | 1 | 10/11/22 | 10/12/22 | |



| | Sample Data | | | | | | | | | | | |
|---|---|------------|-------------------------------|--------------|--------|----------|--|--|--|--|--|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Manaş | er: 0105 | lyn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM | | | | | |
| | | S4 - 4' | | | | | | | | | | |
| | | E210039-08 | | | | | | | | | | |
| | | Reporting | | | | | | | | | | |
| Analyte | Result | Limit | Dilu | ition Pre | epared | Analyzed | Notes | | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | | |
| Benzene | ND | 0.0250 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| Ethylbenzene | ND | 0.0250 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| Toluene | ND | 0.0250 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| p-Xylene | ND | 0.0250 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| p,m-Xylene | ND | 0.0500 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| Total Xylenes | ND | 0.0250 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 95.0 % | 70-130 | 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 96.7 % | 70-130 | 10 | /10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2242014 | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 1 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: Bromofluorobenzene | | 95.0 % | 70-130 | 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 10 | /10/22 | 10/11/22 | | | | | | |
| Surrogate: Toluene-d8 | | 96.7 % | 70-130 | 10. | /10/22 | 10/11/22 | | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: JL | | | Batch: 2242015 | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 1 10 | /11/22 | 10/12/22 | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 1 10 | /11/22 | 10/12/22 | | | | | | |
| Surrogate: n-Nonane | | 110 % | 50-200 | 10. | /11/22 | 10/12/22 | | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RAS | | | Batch: 2242031 | | | | | |
| Chloride | 21.7 | 20.0 | 1 | 1 10 | /11/22 | 10/12/22 | | | | | | |



| Sample Data | | | | | | | | | | | |
|---|---|-------------------|-------------------------------|------------|----------|----------|--|--|--|--|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name: Project Numbo Project Manag | er: 0105 | lyn 27-2H 58-0007 Bynum | | | | Reported: 10/13/2022 1:12:08PM | | | | |
| | | SW1 E210039-09 | | | | | | | | | |
| | | Reporting | | | | | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes | | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 | | | | |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| o-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 94.6 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 97.1 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Bromofluorobenzene | | 94.6 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Surrogate: Toluene-d8 | | 97.1 % | 70-130 | | 10/10/22 | 10/11/22 | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: . | JL | | Batch: 2242015 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 10/11/22 | 10/12/22 | | | | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/12/22 | | | | | |
| Surrogate: n-Nonane | | 117 % | 50-200 | | 10/11/22 | 10/12/22 | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 | | | | |
| Chloride | 38.1 | 20.0 | | 1 | 10/11/22 | 10/12/22 | | | | | |



| | S | ample D | ata | | | |
|---|--|------------|-------------------------------|-------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | ber: 0105 | lyn 27-2H 58-0007 Bynum | | | Reported: 10/13/2022 1:12:08PM |
| | | SW2 | | | | |
| | | E210039-10 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Diluti | on Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 97.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 98.1 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 97.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 98.1 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | А | nalyst: JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/11/22 | 10/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 113 % | 50-200 | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | А | nalyst: RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | 1 | 10/11/22 | 10/13/22 | |



| | S | ample D | ata | | | |
|---|---|--------------------|-------------------------------|--------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Manag | oer: 0105 | lyn 27-2H 58-0007 Bynum | | | Reported: 10/13/2022 1:12:08PM |
| | | SW3 E210039-11 | | | | |
| | | | | | | |
| Analyte | Result | Reporting Limit | Diluti | ion Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 97.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | А | analyst: IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 97.3 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | А | nalyst: JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/11/22 | 10/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 114 % | 50-200 | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | А | nalyst: RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | 1 | 10/11/22 | 10/13/22 | |



| | S | ample D | ata | | | |
|---|---|--------------------|-------------------------------|--------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Manaş | er: 0105 | lyn 27-2H 58-0007 Bynum | | | Reported: 10/13/2022 1:12:08PM |
| | | SW4 | | | | |
| | | E210039-12 | | | | |
| Analyte | Result | Reporting Limit | Dilut | ion Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | Α | Analyst: IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.0 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 98.4 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Α | Analyst: IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.0 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 98.4 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | A | Analyst: JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/11/22 | 10/12/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 116 % | 50-200 | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | A | Analyst: RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | 1 | 10/11/22 | 10/13/22 | |



| | S | ample D | ata | | | | |
|--|---------------|------------|-------------|----------|----------|----------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name | | lyn 27-2H | | | | |
| PO Box 247 | Project Numb | | 58-0007 | | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | | 10/13/2022 1:12:08PM |
| | | SW5 | | | | | |
| | | E210039-13 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | lution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | Analyst: IY | | | | Batch: 2242014 |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 95.4 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | : IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.9 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 95.4 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | : JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 10/11/22 | 10/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 113 % | 50-200 | | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | | 1 | 10/11/22 | 10/13/22 | |



| | S | ample D | ata | | | |
|---|--|-------------------|-------------------------------|---------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name: Project Numb Project Manag | er: 0105 | lyn 27-2H 58-0007 Bynum | | | Reported: 10/13/2022 1:12:08PM |
| | | BG1 E210039-14 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilu | tion Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | 1 | Analyst: IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.2 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 97.2 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | 1 | Analyst: IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 94.2 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 70-130 | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 97.2 % | 70-130 | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | 1 | Analyst: JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/11/22 | 10/12/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 114 % | 50-200 | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | 1 | Analyst: RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | 1 | 10/11/22 | 10/13/22 | |



| | S | ample D | ata | | | | |
|--|---------------|------------|--------------|----------|----------|----------|--|
| Pima Environmental Services-Carlsbad | Project Name | | lyn 27-2H | | | | D (1 |
| PO Box 247 Plains TX, 79355-0247 | Project Numb | | 58-0007 D | | | | Reported: 10/13/2022 1:12:08PM |
| Plains 1X, 79355-0247 | Project Manag | ger: 10m | Bynum | | | | 10/13/2022 1:12:08PW |
| | | BG2 | | | | | |
| | | E210039-15 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Benzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Toluene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p-Xylene | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 10/10/22 | 10/11/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.6 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 96.8 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2242014 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 10/10/22 | 10/11/22 | |
| Surrogate: Bromofluorobenzene | | 95.6 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Surrogate: Toluene-d8 | | 96.8 % | 70-130 | | 10/10/22 | 10/11/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2242015 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 10/11/22 | 10/12/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 10/11/22 | 10/12/22 | |
| Surrogate: n-Nonane | | 116 % | 50-200 | | 10/11/22 | 10/12/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2242031 |
| Chloride | ND | 20.0 | | 1 | 10/11/22 | 10/13/22 | |



QC Summary Data

| | | X C D | | | • | | | | |
|--------------------------------------|--------|--------------------|----------------|------------------|---------|---------------|-------------|--------------|--------------------|
| Pima Environmental Services-Carlsbad | | Project Name: | Me | erlyn 27-2H | | | | | Reported: |
| PO Box 247 | | Project Number: | 01 | 058-0007 | | | | | - |
| Plains TX, 79355-0247 | | Project Manager: | То | m Bynum | | | | 10 | /13/2022 1:12:08PM |
| | ľ | Volatile Organic | Compou | unds by EP | A 8260I | 3 | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2242014-BLK1) | | | | | | I | Prepared: 1 | 0/10/22 Ana | lyzed: 10/11/22 |
| 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 | 0.474 | | 0.500 | | 94.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.492 | | 0.500 | | 98.4 | 70-130 | | | |
| LCS (2242014-BS1) | | | | | | I | Prepared: 1 | 0/10/22 Ana | lyzed: 10/11/22 |
| Benzene | 2.45 | 0.0250 | 2.50 | | 97.9 | 70-130 | | | |
| Ethylbenzene | 2.36 | 0.0250 | 2.50 | | 94.4 | 70-130 | | | |
| Toluene | 2.35 | 0.0250 | 2.50 | | 94.1 | 70-130 | | | |
| o-Xylene | 2.37 | 0.0250 | 2.50 | | 94.9 | 70-130 | | | |
| p,m-Xylene | 4.68 | 0.0500 | 5.00 | | 93.6 | 70-130 | | | |
| Total Xylenes | 7.05 | 0.0250 | 7.50 | | 94.0 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.502 | | 0.500 | | 100 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.507 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.476 | | 0.500 | | 95.2 | 70-130 | | | |
| LCS Dup (2242014-BSD1) | | | | | | I | Prepared: 1 | 0/10/22 Ana | lyzed: 10/11/22 |
| Benzene | 2.15 | 0.0250 | 2.50 | | 85.8 | 70-130 | 13.1 | 23 | |
| Ethylbenzene | 2.09 | 0.0250 | 2.50 | | 83.6 | 70-130 | 12.1 | 27 | |
| Toluene | 2.11 | 0.0250 | 2.50 | | 84.3 | 70-130 | 10.9 | 24 | |
| o-Xylene | 2.11 | 0.0250 | 2.50 | | 84.6 | 70-130 | 11.5 | 27 | |
| p,m-Xylene | 4.17 | 0.0500 | 5.00 | | 83.4 | 70-130 | 11.5 | 27 | |
| Total Xylenes | 6.29 | 0.0250 | 7.50 | | 83.8 | 70-130 | 11.5 | 27 | |
| Surrogate: Bromofluorobenzene | 0.500 | | 0.500 | | 100 | 70-130 | | | |
| 0 0 | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.509 | | 0.500 | | 102 | 70-130 | | | |



QC Summary Data

| | | QU DI | | ary Date | | | | | |
|---|-----------------|--|-------------------------|---|----------|--------------------|-------------|-------------------|---|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | | Project Name: Project Number: Project Manager: | (| Merlyn 27-2H)1058-0007 Fom Bynum | | | | 1 | Reported: 0/13/2022 1:12:08PM |
| | N | onhalogenated O | rganics | s by EPA 801 | 5D - G | RO | | | Analyst: IY |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| | | | | | 70 | 70 | | 70 | 10005 |
| Blank (2242014-BLK1) | | | | | | | Prepared: 1 | 0/10/22 Ar | nalyzed: 10/11/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.474 | | 0.500 | | 94.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.492 | | 0.500 | | 98.4 | 70-130 | | | |
| LCS (2242014-BS2) | | | | | | | Prepared: 1 | 0/10/22 Ar | nalyzed: 10/11/22 |
| Gasoline Range Organics (C6-C10) | 41.7 | 20.0 | 50.0 | | 83.4 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.490 | | 0.500 | | 97.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.510 | | 0.500 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.479 | | 0.500 | | 95.8 | 70-130 | | | |
| LCS Dup (2242014-BSD2) | | | | | | | Prepared: 1 | 0/10/22 Ar | nalyzed: 10/11/22 |
| Gasoline Range Organics (C6-C10) | 45.0 | 20.0 | 50.0 | | 90.1 | 70-130 | 7.77 | 20 | |
| Surrogate: Bromofluorobenzene | 0.485 | | 0.500 | | 97.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.516 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.472 | | 0.500 | | 94.3 | 70-130 | | | |
| | | | | | | | | | |



QC Summary Data

| | | QC D | u111111 | ary Data | a | | | | |
|---|-----------------|--|-------------------------|---------------------------------------|----------|--------------------|-------------|-------------------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | | Project Name: Project Number: Project Manager: | 0 | 1erlyn 27-2H 1058-0007 om Bynum | | | | | Reported: 10/13/2022 1:12:08PM |
| | Nonh | alogenated Org | anics by | EPA 8015I |) - DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2242015-BLK1) | | | | | | | Prepared: 1 | 0/11/22 A | nalyzed: 10/11/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 57.6 | | 50.0 | | 115 | 50-200 | | | |
| LCS (2242015-BS1) | | | | | | | Prepared: 1 | 0/11/22 A | nalyzed: 10/11/22 |
| Diesel Range Organics (C10-C28) | 236 | 25.0 | 250 | | 94.5 | 38-132 | | | |
| Surrogate: n-Nonane | 54.8 | | 50.0 | | 110 | 50-200 | | | |
| Matrix Spike (2242015-MS1) | | | | Source: | E210039- | 04 | Prepared: 1 | 0/11/22 A | nalyzed: 10/11/22 |
| Diesel Range Organics (C10-C28) | 251 | 25.0 | 250 | 30.3 | 88.1 | 38-132 | | | |
| Surrogate: n-Nonane | 49.4 | | 50.0 | | 98.7 | 50-200 | | | |
| Matrix Spike Dup (2242015-MSD1) | | | | Source: | E210039- | 04 | Prepared: 1 | 0/11/22 A | nalyzed: 10/11/22 |
| Diesel Range Organics (C10-C28) | 277 | 25.0 | 250 | 30.3 | 98.6 | 38-132 | 9.92 | 20 | |
| Surrogate: n-Nonane | 51.6 | | 50.0 | | 103 | 50-200 | | | |



QC Summary Data

| | | QU D | | ii y Data | 4 | | | | |
|---|--------|--|----------------|---------------------------------------|-----------|---------------|-------------|--------------|--|
| Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247 | 1 | Project Name: Project Number: Project Manager: | 0 | lerlyn 27-2H 1058-0007 om Bynum | | | | | Reported: 10/13/2022 1:12:08PM |
| | | Anions l | by EPA (| 300.0/9056A | 1 | | | | Analyst: RAS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2242031-BLK1) | | | | | | | Prepared: 1 | 0/11/22 A | Analyzed: 10/12/22 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2242031-BS1) | | | | | | | Prepared: 1 | 0/11/22 A | Analyzed: 10/12/22 |
| Chloride | 247 | 20.0 | 250 | | 98.7 | 90-110 | | | |
| Matrix Spike (2242031-MS1) | | | | Source: | E210039-0 | 01 | Prepared: 1 | 0/11/22 A | Analyzed: 10/12/22 |
| Chloride | 248 | 20.0 | 250 | ND | 99.1 | 80-120 | | | |
| Matrix Spike Dup (2242031-MSD1) | | | | Source: | E210039-0 | 01 | Prepared: 1 | 0/11/22 A | Analyzed: 10/12/22 |
| Chloride | 248 | 20.0 | 250 | ND | 99.1 | 80-120 | 0.0145 | 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.



| Pima Environmental Services-Carlsbad | Project Name: | Merlyn 27-2H | |
|--------------------------------------|------------------|--------------|----------------|
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 10/13/22 13:12 |
| | | | |

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|--|
| 1.2 | maryte no i bbilbe ibb at of acove are reporting initi |

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.



| Proi | iert | Information |
|------|------|---------------------|
| | CCC. | in the first of the |

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Imaging: 8/1/2023

11:46:41 AM

Client: Pima Environmental Services Project: Merium 27.24 TAT **EPA Program** Lab Use Only **Bill To** Devon Energy Job Number Lab WO# E 210039 1D 2D 3D Standard CWA **SDWA** Attention: 01058-0007 Project Manager: Tom Bynum Address: RCRA Address: 5614 N. Lovington Hwy. **Analysis and Method** City, State, Zip Phone: City, State, Zip Hobbs. NM. 88240 State Phone: 580-748-1613 Email: DRO/ORO by 8015 GRO/DRO by 8015 NM CO UT AZ TX Email: tom@pimaoil.com Chloride 300.0 BTEX by 8021 Ň VOC by 8260 Pima Project # Metals 6010 ř Report due by: BGDOC GEDOC Lab Time Date No. of Remarks Sample ID Matrix Container Number Sampled Sampled ē (2 3 Ц 3 5 0 2 25 1 T 9 Ľ 10 Additional Instructions: Rilling# 21048000 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days Lab Use Only Relinguished by: (Signature) Date Time Recei 2:30 N naratindero Received on ice: Relinquisted by (Sisterture) ŧ. Date Time effed by: (Sizpature) 127 0 :25 10 ð **T3** Time Relinquished by: (Signature) Received by: (Signature) Date Date Time AVG Temp °C Container Type; g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix S - Soil Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. C envirotech

Page _____ of 2

| Project | Information |
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| roject Informat | ION | | | | | nain of Custody | / | | | | | | | | | | | Page EPA P CWA State UT AZ Remarks | OT |
|--|--------------------------------|----------------------|----------------------|---------|--|----------------------|-----------------|-----------------|--------------------------|------------------|-------------|----------------|------------|---------|-------|---------|---|---|----------------|
| lient: Pima Er | vironmen | tal Servic | es | | Attention: Devor En | | | | | | e On | | | 4.0 | | TAT | Annaland | EPA P | rogram |
| roject: // <u>#R / I</u> roject Manage | $n 21 \cdot 2$ | <u>H</u> | | | Attention: PROVICE | 1 EEGU | | | 39 | | 100 F | vumb | er 0007 | 1D | 2D | 3D S | Standard | CWA | SUWA |
| ddress: 5614 | <u>: Toni by</u> N. Lovinat | on Hwy | | | City, State, Zip | | LE 6 | <u>u</u> | | | | | Metho | 1 | | | | | RCRA |
| ity, State, Zip | Hobbs, N | M. 88240 |) | | Phone: | | | | | | Í | Т | | | | | | | |
| <u>hone: 580-74</u> | <u>8-1613</u> | | | | Email: | | l H | 55 | | | | | | | | | | State | <u>,</u> |
| | oimaoil.coi | m | | | Pima Project # 1-21) | | þ R | ЪУ 8 | 021 | 8 | ទួ | 8 8 | | ž | Ĕ | | | UT AZ | |
| eport due by: | 1 | 1 | T - | No d | | Lab | DRO/ORO by 8015 | GRO/DRO by 8015 | втех by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | ι . | | | | <u> </u> | II |
| Time Date Sampled Sample | | No. of Containers | Sample ID | | | Number | DRO | GRO | ET8 | Š | Met | 윩 | | BGDOC | BGDOC | | | Remarks | |
| 5D 10/4/2 | 7 8 | 1 | SW3 | | | 11 | | | | | | | | X | | | | | |
| :55 1 | 1.1 | 1 | SUD4 | | | 12 | | | | | | | | | | | | | |
| D:DD | | | 8115 | | | 13 | | | | | | | | | | | | | |
| 2:05 | | | BGI | | | 14 | | | | | | | | | | | | | |
| D:ID | | | BG2 | | <u></u> | 15 | | | | | | | | | | | | | |
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| | | | | <u></u> | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | | | | |
| Additional Inst | | | Billir | \A # | 21048000 | | | | | | | | | | | | | | |
| (field sampler), atto | st to the validit | ty and authen | ticity of this samp! | e: 1 am | aware that tampering with or intentionally m | islabelling the samp | le locat | tion, | | | | | - | • | | | red on ice the day : on subsequent d | | led or receive |
| date or time of collect Religgyished by: (S | | | | ne | Received by: (Sighature) | Ditte | $\frac{1}{2}$ | Time | | 1 | | | | | ab U | se Only | | ta <u>in</u> de | . |
| MARANA | and | | | 2:30 | | | 100 | ⊁ | $\overline{\mathcal{A}}$ | . 4 | Jaec | eived | on ice: | 6 | 01 | J | | | |
| Belinquished 1. | | Dat | 170 | ۳Ľ | Received by: (Signature) | A Date 10/10 | 122 | | 2 | 5 | m | | | 12 | | | <u></u> | | |
| Refinquished by: (: | ignature) | Dat | e Tir | ne | Received by: (Signature) | Date | | Time | | | AVO | G Tem | p°C ∠ | 4 | | | | | |
| and the second second | Ded - solid se | - Sludge, A - | Aqueous, O - Othe | | _ | Contain | er Typ | e: f | glass | >p - t | oly/p | lastic, | ag - aml | per gla | pense | - VOA | | | |

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Pima Environmental Services-Carlsbad Da | te Received: | 10/10/22 | 08:25 | Work Order ID: | E210039 |
|------------|--|---------------------|-----------|---------------------|----------------|-------------------|
| Phone: | (575) 631-6977 Da | te Logged In: | 10/10/22 | 09:00 | Logged In By: | Caitlin Christian |
| Email: | | e Date: | 10/14/22 | 17:00 (4 day TAT) | | |
| Chain o | <u>f Custody (COC)</u> | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | |
| 2. Does | the number of samples per sampling site location match t | he COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: UPS | | |
| 4. Was th | he COC complete, i.e., signatures, dates/times, requested | analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | field, | Yes | | Comment | ts/Resolution |
| Sample | Turn Around Time (TAT) | | | | | |
| | ne COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample | • | | | | | |
| | sample cooler received? | | Yes | | | |
| 8. If yes | , was cooler received in good condition? | | Yes | | | |
| 9. Was th | he sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | e custody/security seals present? | | No | | | |
| | s, were custody/security seals intact? | | NA | | | |
| - | the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec | | Yes | | | |
| 13. If no | minutes of sampling visible ice, record the temperature. Actual sample tem | perature: <u>4°</u> | <u>C</u> | | | |
| Sample | <u>Container</u> | | | | | |
| 14. Are | aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | e head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| | a trip blank (TB) included for VOC analyses? | | NA | | | |
| | non-VOC samples collected in the correct containers? | | Yes | | | |
| 19. Is the | e appropriate volume/weight or number of sample containers | collected? | Yes | | | |
| Field La | | | | | | |
| | e field sample labels filled out with the minimum informa | ation: | | | | |
| | Sample ID? Date/Time Collected? | | Yes | | | |
| | Collectors name? | | Yes No | | | |
| | Preservation | | NO | | | |
| - | s the COC or field labels indicate the samples were preser | rved? | No | | | |
| | sample(s) correctly preserved? | | NA | | | |
| | b filteration required and/or requested for dissolved metal | ls? | No | | | |
| | ase Sample Matrix | | | | | |
| | s the sample have more than one phase, i.e., multiphase? | | No | | | |
| | es, does the COC specify which phase(s) is to be analyzed | !? | NA | | | |
| | tract Laboratory | | 1 12 1 | | | |
| | samples required to get sent to a subcontract laboratory? | | No | | | |
| | a subcontract laboratory specified by the client and if so | who? | NO | Subcontract Lab: na | | |
| | | | | | | |





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:

Merlyn 27-22 2H

Work Order: E211070

Job Number: 01058-0007

Received: 11/11/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/17/22

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: 11/17/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Merlyn 27-22 2H Workorder: E211070 Date Received: 11/11/2022 10:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2022 10:45:00AM, under the Project Name: Merlyn 27-22 2H.

The analytical test results summarized in this report with the Project Name: Merlyn 27-22 2H 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 reguarding 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.

Raina Schwanz

Laboratory Administrator

rainaschwanz@envirotech-inc.com

Office: 505-632-1881

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Alexa Michaels

Sample Custody Officer

labadmin@envirotech-inc.com

Office: 505-632-1881

Envirotech Web Address: www.envirotech-inc.com



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S2 3'

S3 2'

S3 3'

S4 2'

S4 3'

| Sample Summary | | | | | | | | | | | |
|--------------------------------------|------------------------------|-------------------------------|----------------------------|--------------------------|-------------------------------|--|--|--|--|--|--|
| Pima Environmental Services-Carlsbad | | Project Name: Merlyn 27-22 2H | | | Reported: | | | | | | |
| PO Box 247 | | Project Number: | 01058-0007 | | | | | | | | |
| Plains TX, 79355-0247 | | Project Manager: | Tom Bynum | | 11/17/22 16:03 | | | | | | |
| | | | | | | | | | | | |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container | | | | | | |
| • | Lab Sample ID E211070-01A | Matrix Soil | Sampled 11/09/22 | Received 11/11/22 | Container Glass Jar, 2 oz. | | | | | | |
| Client Sample ID 51 2' 51 3' | • | | • | | | | | | | | |

Soil

Soil

Soil

Soil

Soil

E211070-04A

E211070-05A

E211070-06A

E211070-07A

E211070-08A

11/09/22

11/09/22

11/09/22 11/09/22

11/09/22

11/11/22

11/11/22

11/11/22

11/11/22

11/11/22

Glass Jar, 2 oz.

| | | impic D | | | | | |
|--|----------------|------------|-------------|----------|----------|----------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | | lyn 27-22 2 | 2H | | | |
| PO Box 247 | Project Numbe | | 58-0007 | | | | Reported: |
| Plains TX, 79355-0247 | Project Manage | er: Tom | Bynum | | | | 11/17/2022 4:03:46PM |
| | | S1 2' | | | | | |
| |] | E211070-01 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | | 1 | 11/14/22 | 11/15/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 11/14/22 | 11/15/22 | |
| Toluene | ND | 0.0250 | | 1 | 11/14/22 | 11/15/22 | |
| o-Xylene | ND | 0.0250 | | 1 | 11/14/22 | 11/15/22 | |
| ,m-Xylene | ND | 0.0500 | | 1 | 11/14/22 | 11/15/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 11/14/22 | 11/15/22 | |
| Surrogate: Bromofluorobenzene | | 105 % | 70-130 | | 11/14/22 | 11/15/22 | |
| urrogate: 1,2-Dichloroethane-d4 | | 98.1 % | 70-130 | | 11/14/22 | 11/15/22 | |
| urrogate: Toluene-d8 | | 99.9 % | 70-130 | | 11/14/22 | 11/15/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 11/14/22 | 11/15/22 | |
| Surrogate: Bromofluorobenzene | | 105 % | 70-130 | | 11/14/22 | 11/15/22 | |
| urrogate: 1,2-Dichloroethane-d4 | | 98.1 % | 70-130 | | 11/14/22 | 11/15/22 | |
| urrogate: Toluene-d8 | | 99.9 % | 70-130 | | 11/14/22 | 11/15/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORC |) mg/kg | mg/kg | | Analyst: | JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 11/14/22 | 11/17/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 11/14/22 | 11/17/22 | |
| urrogate: n-Nonane | | 93.2 % | 50-200 | | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2246092 |
| Chloride | ND | 20.0 | | 1 | 11/11/22 | 11/16/22 | |

Sample Data



| | S | ample D | ata | | | |
|---|--|------------|----------------------------------|-------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | ber: 0105 | lyn 27-22 2H 58-0007 Bynum | [| | Reported: 11/17/2022 4:03:46PM |
| | | S1 3' | | | | |
| | | E211070-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilutio | on Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | A | nalyst: RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p-Xylene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 102 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 92.8 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | A | nalyst: RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 102 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 92.8 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | A | nalyst: JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/14/22 | 11/17/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 90.0 % | 50-200 | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | A | nalyst: RAS | | Batch: 2246092 |
| Chloride | ND | 20.0 | 1 | 11/11/22 | 11/16/22 | |



| | S | ample D | ata | | | | |
|---|--|------------|---------------------------------|----------|----------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numł Project Mana | ber: 0105 | lyn 27-22 2 58-0007 Bynum | 2H | | | Reported: 11/17/2022 4:03:46PM |
| | | S2 2' | | | | | |
| | | E211070-03 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| o-Xylene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 97.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 97.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | 34.7 | 25.0 | | 1 | 11/14/22 | 11/17/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 102 % | 50-200 | | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2246092 |
| Chloride | 24.9 | 20.0 | | 1 | 11/11/22 | 11/16/22 | |



| | S | ample D | ata | | | |
|---|--|------------|----------------------------------|--------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | ber: 0105 | lyn 27-22 2H 58-0007 Bynum | ł | | Reported: 11/17/2022 4:03:46PM |
| | | S2 3' | | | | |
| | | E211070-04 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilut | ion Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | A | Analyst: RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p-Xylene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 99.2 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.5 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | A | Analyst: RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 99.2 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.5 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | A | Analyst: JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/14/22 | 11/17/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Α | Analyst: RAS | | Batch: 2246092 |
| Chloride | 24.9 | 20.0 | 1 | 11/11/22 | 11/16/22 | |



| | D | ample D | ลเล | | | | |
|--|------------------------------|------------|------------------------|---------|-----------------------|----------------------|----------------|
| Pima Environmental Services-Carlsbad PO Box 247 | Project Name | | lyn 27-22 2 58-0007 | 2H | | | Reported: |
| PO Box 247 Plains TX, 79355-0247 | Project Numb Project Mana | | Bynum | | | 11/17/2022 4:03:46PM | |
| rianis 1A, 19555-0247 | FIOJECT Maila | iger. Tom | Byllulli | | 11/1//2022 4.05.401 M | | |
| | | S3 2' | | | | | |
| | | E211070-05 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst | RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| °oluene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| o-Xylene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| ,m-Xylene | ND | 0.0500 | | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| urrogate: Bromofluorobenzene | | 98.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| urrogate: Toluene-d8 | | 101 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst | | Batch: 2247002 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 98.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 94.9 % | 70-130 | | 11/14/22 | 11/16/22 | |
| urrogate: Toluene-d8 | | 101 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst | : JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 11/14/22 | 11/17/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 95.1 % | 50-200 | | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst | RAS | | Batch: 2246092 |
| Chloride | 26.6 | 20.0 | | 1 | 11/11/22 | 11/17/22 | |



| | S | ample D | ata | | | | |
|---|--|------------|--------------------------------|-------------|----------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | ber: 0105 | yn 27-22 2 58-0007 Bynum | ΡΗ | | | Reported: 11/17/2022 4:03:46PM |
| | | S3 3' | | | | | |
| | | E211070-06 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilu | ition | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: RI | KS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| p-Xylene | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 98.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.6 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: RI | KS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 98.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.6 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: JL | | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 1 | 11/14/22 | 11/17/22 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 98.8 % | 50-200 | | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RA | AS | | Batch: 2246092 |
| Chloride | ND | 20.0 | 1 | 1 | 11/11/22 | 11/17/22 | |



| | S | ample D | ata | | | |
|---|--|------------|----------------------------------|---------------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Numb Project Mana | ber: 0105 | lyn 27-22 21 58-0007 Bynum | Н | | Reported: 11/17/2022 4:03:46PM |
| | | S4 2' | | | | |
| | | E211070-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilu | tion Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | 1 | Analyst: RKS | | Batch: 2247002 |
| Benzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p-Xylene | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 95.7 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.3 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | 1 | Analyst: RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 95.7 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.3 % | 70-130 | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 11/14/22 | 11/17/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | 1 | Analyst: RAS | | Batch: 2246092 |
| Chloride | ND | 20.0 | 1 | 11/11/22 | 11/17/22 | |



| | S | ample D | ata | | | | |
|---|---|------------|---------------------------------|--------------|----------|----------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name Project Num Project Mana | ber: 0105 | lyn 27-22 2 58-0007 Bynum | 2H | | | Reported: 11/17/2022 4:03:46PM |
| | | S4 3' | | | | | |
| | | E211070-08 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilu | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: RKS | | | Batch: 2247002 |
| Benzene | ND | 0.0250 | 1 | 1 | 11/14/22 | 11/16/22 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Toluene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| p-Xylene | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 11/14/22 | 11/16/22 | |
| Total Xylenes | ND | 0.0250 | | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 99.4 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 89.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2247002 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 11/14/22 | 11/16/22 | |
| Surrogate: Bromofluorobenzene | | 99.4 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 89.1 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Surrogate: Toluene-d8 | | 102 % | 70-130 | | 11/14/22 | 11/16/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2247020 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | : | 1 | 11/14/22 | 11/17/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 11/14/22 | 11/17/22 | |
| Surrogate: n-Nonane | | 105 % | 50-200 | | 11/14/22 | 11/17/22 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2246092 |
| Chloride | ND | 20.0 | | 1 | 11/11/22 | 11/17/22 | |



QC Summary Data

| Pima Environmental Services-Carlsbad | | Project Name: | M | erlyn 27-22 2F | Ŧ | | | | Reported: |
|--|--|--------------------------------------|--------------------------------------|--------------------------------|--|--|--------------------------------------|----------------------------|---------------------|
| PO Box 247 | | Project Number: | | 058-0007 | | | | | Reporteu. |
| Plains TX, 79355-0247 | | Project Manager: | | m Bynum | | | | 11/ | 17/2022 4:03:46PM |
| 1 millio 174, 19555 0247 | | | | - | | | | | 1,72022 11001101111 |
| | | Volatile Organic | | Analyst: RKS | | | | | |
| Analyte | | Reporting | Spike | Source | | Rec | | RPD | |
| | Result | Limit | Level | Result | Rec | Limits | RPD | Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2247002-BLK1) | | | | | | | Prepared: 11 | 1/14/22 Ana | lyzed: 11/15/22 |
| Benzene | ND | 0.0250 | | | | | | | • |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| p-Xylene | ND | 0.0250 | | | | | | | |
| o,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.481 | | 0.500 | | 96.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.509 | | 0.500 | | 102 | 70-130 | | | |
| LCS (2247002-BS1) | | | | | | | Prenared 1 | 1/14/22 Ano | yzed: 11/15/22 |
| . , | 2.64 | 0.0050 | 2.50 | | 100 | 70.120 | Trepared. T | 1/14/22 Alla | lyzeu. 11/13/22 |
| Benzene | 2.64 | 0.0250 | 2.50 | | 106 | 70-130 | | | |
| Ethylbenzene | 2.51 | 0.0250 | 2.50 | | 101 | 70-130 | | | |
| Toluene | 2.49 | 0.0250 | 2.50 | | 99.4 | 70-130 | | | |
| o-Xylene | 2.38 | 0.0250 | 2.50 | | 95.1 | 70-130 | | | |
| o,m-Xylene | 4.72 | 0.0500 | 5.00 | | 94.5 | 70-130 | | | |
| Total Xylenes | 7.10 | 0.0250 | 7.50 | | 94.7 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.500 | | 0.500 | | 99.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.504 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| Matrix Spike (2247002-MS1) | | | | Source: l | E 211069- (|)2 | Prepared: 1 | 1/14/22 Ana | lyzed: 11/15/22 |
| Benzene | 2.64 | 0.0250 | 2.50 | ND | 106 | 48-131 | | | |
| Ethylbenzene | 2.55 | 0.0250 | 2.50 | 0.0775 | 98.9 | 45-135 | | | |
| Toluene | 2.47 | 0.0250 | 2.50 | ND | 98.8 | 48-130 | | | |
| p-Xylene | 2.37 | 0.0250 | 2.50 | ND | 94.9 | 43-135 | | | |
| o,m-Xylene | 4.75 | 0.0500 | 5.00 | ND | 95.0 | 43-135 | | | |
| Fotal Xylenes | 7.12 | 0.0250 | 7.50 | ND | 94.9 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.516 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| | 0.504 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | | | | | | | | | |
| - | | | | Source: 1 | E211069-0 | 02 | Prepared: 1 | 1/14/22 Ana | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) | 2.16 | 0.0250 | 2.50 | ND | 86.2 | 48-131 | 20.2 | 23 | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene | | 0.0250 0.0250 | 2.50 2.50 | | | | | | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene | 2.16 | | | ND | 86.2 | 48-131 | 20.2 | 23 | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene Foluene | 2.16 2.26 | 0.0250 | 2.50 | ND 0.0775 | 86.2 87.4 | 48-131 45-135 | 20.2 11.9 | 23 27 | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene Foluene o-Xylene | 2.16 2.26 2.18 | 0.0250 0.0250 | 2.50 2.50 | ND 0.0775 ND | 86.2 87.4 87.1 | 48-131 45-135 48-130 | 20.2 11.9 12.6 | 23 27 24 | lyzed: 11/15/22 |
| Surrogate: Toluene-d8 Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene Foluene ->Xylene -y,m-Xylene Fotal Xylenes | 2.16 2.26 2.18 2.15 | 0.0250 0.0250 0.0250 | 2.50 2.50 2.50 | ND 0.0775 ND ND | 86.2 87.4 87.1 85.8 | 48-131 45-135 48-130 43-135 | 20.2 11.9 12.6 10.0 | 23 27 24 27 | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene Toluene o-Xylene o,m-Xylene | 2.16 2.26 2.18 2.15 4.18 | 0.0250 0.0250 0.0250 0.0500 | 2.50 2.50 2.50 5.00 | ND 0.0775 ND ND ND | 86.2 87.4 87.1 85.8 83.5 | 48-131 45-135 48-130 43-135 43-135 | 20.2 11.9 12.6 10.0 12.8 | 23 27 24 27 27 | lyzed: 11/15/22 |
| Matrix Spike Dup (2247002-MSD1) Benzene Ethylbenzene Foluene o-Xylene o,m-Xylene Fotal Xylenes | 2.16 2.26 2.18 2.15 4.18 6.32 | 0.0250 0.0250 0.0250 0.0500 | 2.50 2.50 2.50 5.00 7.50 | ND 0.0775 ND ND ND | 86.2 87.4 87.1 85.8 83.5 84.3 | 48-131 45-135 48-130 43-135 43-135 43-135 | 20.2 11.9 12.6 10.0 12.8 | 23 27 24 27 27 | lyzed: 11/15/22 |



QC Summary Data

| | | X U S | | ary Data | | | | | |
|---|----------------|--|----------------|--|--------------|------------------|-------------|--------------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | | Project Name: Project Number: Project Manager: | C | Merlyn 27-22 2H 01058-0007 Tom Bynum | | | | | Reported: 11/17/2022 4:03:46PM |
| | N | onhalogenated O | rganics | s by EPA 8015 | 5D - GI | RO | | | Analyst: RKS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2247002-BLK1) | | | | | | | Prepared: 1 | 1/14/22 | Analyzed: 11/15/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| urrogate: Bromofluorobenzene | 0.481 | | 0.500 | | 96.1 | 70-130 | | | |
| urrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.2 | 70-130 | | | |
| urrogate: Toluene-d8 | 0.509 | | 0.500 | | 102 | 70-130 | | | |
| LCS (2247002-BS2) | | | | | | | Prepared: 1 | 1/14/22 | Analyzed: 11/15/22 |
| Gasoline Range Organics (C6-C10) | 57.4 | 20.0 | 50.0 | | 115 | 70-130 | | | |
| urrogate: Bromofluorobenzene | 0.502 | | 0.500 | | 100 | 70-130 | | | |
| urrogate: 1,2-Dichloroethane-d4 | 0.485 | | 0.500 | | 97.0 | 70-130 | | | |
| 'urrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| Matrix Spike (2247002-MS2) | | | | Source: E | 211069-(|)2 | Prepared: 1 | 1/14/22 | Analyzed: 11/15/22 |
| Gasoline Range Organics (C6-C10) | 57.0 | 20.0 | 50.0 | ND | 114 | 70-130 | | | |
| urrogate: Bromofluorobenzene | 0.502 | | 0.500 | | 100 | 70-130 | | | |
| urrogate: 1,2-Dichloroethane-d4 | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| urrogate: Toluene-d8 | 0.502 | | 0.500 | | 100 | 70-130 | | | |
| Matrix Spike Dup (2247002-MSD2) | | | | Source: E | 211069-(| 02 | Prepared: 1 | 1/14/22 | Analyzed: 11/15/22 |
| Gasoline Range Organics (C6-C10) | 56.7 | 20.0 | 50.0 | ND | 113 | 70-130 | 0.521 | 20 | |
| | | | | | | | | | |
| urrogate: Bromofluorobenzene | 0.499 | | 0.500 | | 99.7 | 70-130 | | | |
| iurrogate: Bromofluorobenzene iurrogate: 1,2-Dichloroethane-d4 | 0.499 0.474 | | 0.500 0.500 | | 99.7 94.7 | 70-130 70-130 | | | |



QC Summary Data

| | | QC D | u I I I I I I | ary Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|--|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | | Project Name: Project Number: Project Manager: | (| Merlyn 27-22 2H 01058-0007 Tom Bynum | | | | | Reported: 11/17/2022 4:03:46PM |
| | Nonh | alogenated Org | anics by | y EPA 8015D | - DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2247020-BLK1) | | | | | | | Prepared: 1 | 1/14/22 <i>A</i> | Analyzed: 11/16/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 48.4 | | 50.0 | | 96.7 | 50-200 | | | |
| LCS (2247020-BS1) | | | | | | | Prepared: 1 | 1/14/22 A | Analyzed: 11/16/22 |
| Diesel Range Organics (C10-C28) | 476 | 25.0 | 500 | | 95.1 | 38-132 | | | |
| Surrogate: n-Nonane | 47.5 | | 50.0 | | 95.0 | 50-200 | | | |
| Matrix Spike (2247020-MS1) | | | | Source: E | 211070- | 02 | Prepared: 1 | 1/14/22 A | Analyzed: 11/16/22 |
| Diesel Range Organics (C10-C28) | 420 | 25.0 | 500 | ND | 84.0 | 38-132 | | | |
| Surrogate: n-Nonane | 37.3 | | 50.0 | | 74.5 | 50-200 | | | |
| Matrix Spike Dup (2247020-MSD1) | | | | Source: E | 211070- | 02 | Prepared: 1 | 1/14/22 A | Analyzed: 11/16/22 |
| Diesel Range Organics (C10-C28) | 360 | 25.0 | 500 | ND | 71.9 | 38-132 | 15.6 | 20 | |
| Surrogate: n-Nonane | 32.3 | | 50.0 | | 64.7 | 50-200 | | | |

QC Summary Data

| | | | | <i>J</i> – | | | | | | |
|--|--------|----------------------------------|----------------|-------------------------------|----------|---------------|-----------|-------------|-----------|--------------|
| Pima Environmental Services-Carlsbad PO Box 247 | | Project Name: Project Number: | | Merlyn 27-22 2H 01058-0007 | [| | | | R | eported: |
| Plains TX, 79355-0247 | | Project Manager: | | Tom Bynum | | | | | 11/17/202 | 22 4:03:46PM |
| | | Anions | by EPA | 300.0/9056A | | | | | Analy | st: RAS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limi | | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | | Notes |
| Blank (2246092-BLK1) | | | | | | | Prepared: | 11/11/22 | Analyzed: | 11/16/22 |
| Chloride | ND | 20.0 | | | | | | | | |
| LCS (2246092-BS1) | | | | | | | Prepared: | 11/11/22 | Analyzed: | 11/16/22 |
| Chloride | 245 | 20.0 | 250 | | 97.9 | 90-110 | | | | |
| Matrix Spike (2246092-MS1) | | | | Source: E | 211069-0 | 2 | Prepared: | 11/11/22 | Analyzed: | 11/16/22 |
| Chloride | 1060 | 20.0 | 250 | 754 | 122 | 80-120 | | | | M2 |
| Matrix Spike Dup (2246092-MSD1) | | | | Source: E | 211069-0 | 2 | Prepared: | 11/11/22 | Analyzed: | 11/16/22 |
| Chloride | 1090 | 20.0 | 250 | 754 | 135 | 80-120 | 3.00 | 20 | | M2 |
| | | | | | | | | | | |

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.



| | Deminions | | |
|--------------------------------------|------------------|-----------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Merlyn 27-22 2H | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 11/17/22 16:03 |
| | | | |

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



| Kel | Project | Information |
|-----|---------|-------------|
| 0 | - | |
| - 8 | | |
| ୖୄ | | |

Chain of Custody

| Client: $ ho$ | ima 7 | nvir | mm | ental E | <i>lervices</i> | | | | | Bil | l To | | | | | تا 🔹 | | e Or | | | | | TA | | | EPA I | Program |
|------------------------------|--------------------|-------------|--------------|----------------------|-----------------|-----------------|-----------------------------|---------------------------|--------------|-------------------------|-------------|---------------|---------------|------------|-----------------|--|---------------|-------------|----------------|-----------------|------------|----------|------------------|------------|--------------|---------------|---------------|
| Project: Project N | Meri | <u>1n 2</u> | <u>1-27</u> | <u>2 2 H</u> | | | | ention: | | | | | | | WO# | | | | | ber | | 2D | 3D | | ndard | CWA | SDW |
| Address: | <u>/lanager</u> | | | JULM | le na l | | | dress: | Zin | | | | | μĘ | 2//(| <u>)'/C</u> | | | | -1007 | | | | | X | <u> </u> | |
| <u>Audress:</u> Tity Stat | | hhh | NIAA | 900 4 9971 | D V | | 535.35 | <u>y, State</u> , one: | <u>, zip</u> | | | | | ┣ | | | — | Anaiy | /sis a | nd Metho | | 1 | <u> </u> | | | | RCR |
| City, Stat Phone: 🕈 | 58D- | 148- | 1613 | + <u>08-</u> - | <u> </u> | | Em | | | | | | | 5 | 5 | | | | | | | | | <u>de</u> | | State | |
| Email: 🕇 | UMDO | MA | Dil.2 | M | | | | | , | 10 | | | | y 8015 | y 801 | T. | 0 | | 0.0 | | | | H | 1 | | | |
| Report d | ue by: | | | <u> </u> | <u></u> | | Pr | ojet | # / | -2 | 07 | | the filmers | 20g | DRO b | by 802 | y 826 | s 6010 | de 30 | | s s | | 200 T | _ | x | | |
| Time Sampled | Date Sam | pled | Matrix | No. of Containers | Sample I | ID | | | | | | | Lab Number | DRO/ORO by | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC - NM | | TCEQ 1005 TX-TPH | | | Remark | 5 |
| 3:00 | 11/9/ | 22 | 3 | | 51 | 2' | | | | | | | 1 | - | | | | | | | X | | | | | | |
| 8:05 | | | 1 | | 81 | 3' | | | | | | | 2 | | | | | | | | 1 | | | | | | |
| 8:1D | | | | | \$7 | 2' | | | | | | | 3 | | | | | | | | Π | | | | | | |
| 8:15 | | | \top | | SZ | 3' | | | | | | | 4 | | | | | | | | | | | | | | |
| 8:20 | | | | | 83 | <u> </u> | | | | | | | 5 | | | | | | | | | | | | | | |
| 3:25 | | \neg | | | 53 | <u>ટ</u> રુ' | | | | | | | 10 | - | - | | | | | | ┼╉ | | | \neg | | | |
| 3:30 | | - † | | | 54 | <u>z'</u> | | | | | | | 7 | | | | | | | | | | | | | | |
| 3:35 | | | \uparrow | | 54 | <u>ર</u> ' | | | | | | | 8 | | | | | | | | ſ | | | | | | |
| <u> </u> | | · | | | 37 | 5 | | | | | | | | | | | | | | | | , | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Addition | l Ial Instru | uctions | : | I | | | 0.11 | ••••• | - 11 | ~// | | | | | | | | | | | | | | | | | |
| , (field samp | oler), attest | to the va | lidity and | authenticity | of this samp | le. I am av | B III ware that t | tampering | with or in | <u>)40</u> intention | | elling the | sample locat | ion. | | | _ | Sample | s requi | ring thermal pr | eservati | ion must | be receiv | ved on ico | e the day th | ey are sample | d or received |
| | | | | | be grounds fo | | | | | npled by | | | | | | | | | | t an avg temp | | | | | | | |
| Relinguiste | ed by: (Sig MAK | | nder | | 10/22 | Time | | Receive | | WC. | WY I | \mathcal{N} | Date -D | e) | Time |); ((| \mathcal{O} | Rece | eived | on ice: | | ab Us | e Onl | <u>у</u> | | | |
| Refine using | eg by isi | (nature) |) | Date | -102 | Time L | 15 | Roceive | er by fs | Signatu | The | Ł | Date // | 22 | Time | :4 | | T1 | | | | | | | 3 | | |
| Relinquishe | ed by: (Sig | nature) | , | Øate | | Time | | Receive | ed by: (S | Signatu | re) | | Date | | Time | | | | | np°c <u>4</u> | 1 | | | | | | |
| ample Mati | rix: S - Soil, | Sd - Soli | l, Sg - Sluc | lge, A - Aqu | eous, O - Oth | ier | | . | | | | | Container | Type | :g-g | lass, I | | | | | r gla | ss, v - | VOA | | | | |
| Note: Sam | ples are di | iscardec | 30 days | after resu | its are repo | rted unle | ss other a | arrangen | nents ar | re made | e. Hazaro | lous san | nples will be | e retur | ned to | clien | t or d | ispose | d of a | | | | | port for | the ana | ysis of the | above |
| ampies is | аррисаріє | e oniy to | those sa | impies rec | eived by the | elaporato | ory with t | this COC. | i ne liat | DIIITY OF | r the labor | atory is | limited to t | ne am | ount p | baid fo | or on t | | | | | | | | | | |
| | | | | | | | | | | | | | | | | á | E | 3 | | en | | | | | 4 | \frown | |
| | | | | | | | | | | | | | | | | le l | E | | | | | | | U | / L | C (| |
| | | | | | | | | | | | Pa | ige 18 | of 19 | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Pima Environmental Services-Carlsbad | Date Received: | 11/11/22 | 10:45 | Work Order ID: | E211070 |
|----------------|--|-------------------------|----------|-------------------|----------------|-------------------|
| Phone: | (575) 631-6977 | Date Logged In: | 11/11/22 | 11:20 | Logged In By: | Caitlin Christian |
| Email: | tom@pimaoil.com | Due Date: | 11/17/22 | 17:00 (4 day TAT) | | |
| Chain o | f Custody (COC) | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | |
| 2. Does | the number of samples per sampling site location ma | tch the COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: UPS | | |
| 4. Was tl | he COC complete, i.e., signatures, dates/times, reque | sted analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi | | Yes | | Comment | ts/Resolution |
| Sample | <u>Turn Around Time (TAT)</u> | | | | | |
| 6. Did th | ne COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample | <u>Cooler</u> | | | | | |
| 7. Was a | a sample cooler received? | | Yes | | | |
| 8. If yes, | , was cooler received in good condition? | | Yes | | | |
| 9. Was tl | he sample(s) received intact, i.e., not broken? | | No | | | |
| 10. Were | e custody/security seals present? | | No | | | |
| 11. If ye | s, were custody/security seals intact? | | NA | | | |
| 12. Was t | the sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples an | | Yes | | | |
| 13 Ifno | minutes of sampling visible ice, record the temperature. Actual sample | temperature: 4º | C | | | |
| | | temperature. <u>4 v</u> | <u>c</u> | | | |
| | <u>Container</u> aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | e head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| | a trip blank (TB) included for VOC analyses? | | NA | | | |
| | non-VOC samples collected in the correct containers | 9 | Yes | | | |
| | e appropriate volume/weight or number of sample contai | | Yes | | | |
| Field La | | | 100 | | | |
| | e field sample labels filled out with the minimum inf | ormation: | | | | |
| | Sample ID? | | Yes | | | |
|] | Date/Time Collected? | | Yes | | | |
| | Collectors name? | | No | | | |
| | Preservation | 10 | | | | |
| | s the COC or field labels indicate the samples were p | reserved? | No | | | |
| | sample(s) correctly preserved? | notals? | NA N- | | | |
| | b filteration required and/or requested for dissolved r | netais (| No | | | |
| | ase Sample Matrix | 0 | _ | | | |
| | s the sample have more than one phase, i.e., multipha | | No | | | |
| 27. If ye | es, does the COC specify which phase(s) is to be anal | yzed? | NA | | | |
| <u>Subcont</u> | tract Laboratory | | | | | |
| | samples required to get sent to a subcontract laborate | | No | | | |
| | a subcontract laboratory specified by the client and i | | NA | | | |

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:

Merlyn 27-22 Fed 2H

Work Order: E301070

Job Number: 01058-0007

Received: 1/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/18/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 1/18/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Merlyn 27-22 Fed 2H Workorder: E301070 Date Received: 1/14/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2023 8:00:00AM, under the Project Name: Merlyn 27-22 Fed 2H.

The analytical test results summarized in this report with the Project Name: Merlyn 27-22 Fed 2H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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| Sample Su | mmary | |
|-----------|-------|--|
| | | |

| | | Sample Sum | mai y | | |
|--------------------------------------|---------------|------------------|------------|----------|------------------|
| Pima Environmental Services-Carlsbad | | Project Name: | · · | | Reported: |
| PO Box 247 | | Project Number: | 01058-0007 | | - |
| Plains TX, 79355-0247 | | Project Manager: | Tom Bynum | | 01/18/23 16:19 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| CS1 | E301070-01A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CS2 | E301070-02A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CS3 | E301070-03A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CS4 | E301070-04A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW1 | E301070-05A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW2 | E301070-06A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW3 | E301070-07A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW4 | E301070-08A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW5 | E301070-09A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW6 | E301070-10A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW7 | E301070-11A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| CSW8 | E301070-12A | Soil | 01/12/23 | 01/14/23 | Glass Jar, 2 oz. |
| | | | | | |



| | 56 | ampic D | ala | | | |
|---|---|------------|--|----------|----------|---|
| Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247 | Project Name: Project Numbe Project Manag | er: 010 | lyn 27-22 Fed 2H 58-0007 1 Bynum | I | | Reported: 1/18/2023 4:19:53PM |
| | | CS1 | | | | |
| | | E301070-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.5 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | st: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 93.2 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | st: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/16/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/16/23 | |
| Surrogate: n-Nonane | | 115 % | 50-200 | 01/16/23 | 01/16/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: BA | | Batch: 2303004 |
| Chloride | 20.0 | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |



| 0105 | lyn 27-22 Fed 2H 58-0007 | | | |
|-----------|--|--|--|--|
| | 58-0007 | | | |
| Tom | 00007 | | | Reported: |
| 10111 | Bynum | | | 1/18/2023 4:19:53PM |
| CS2 | | | | |
|)1070-02 | | | | |
| Reporting | | | | |
| Limit | Dilution | Prepared | Analyzed | Notes |
| mg/kg | Analyst | IY | | Batch: 2302081 |
| 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| 0% | 70-130 | 01/14/23 | 01/14/23 | |
| mg/kg | Analyst: IY | | Batch: 2302081 | |
| 20.0 | 1 | 01/14/23 | 01/14/23 | |
| 7 % | 70-130 | 01/14/23 | 01/14/23 | |
| mg/kg | Analyst | JL | | Batch: 2303013 |
| 25.0 | 1 | 01/16/23 | 01/16/23 | |
| 50.0 | 1 | 01/16/23 | 01/16/23 | |
| 4 % | 50-200 | 01/16/23 | 01/16/23 | |
| mg/kg | Analyst | BA | | Batch: 2303004 |
| 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | CS2 P1070-02 Reporting Limit mg/kg 0.0250 | CS2 Reporting Limit Dilution mg/kg Analyst: 0.0250 1 0.00 1 7% 70-130 mg/kg Analyst: 25.0 1 50.0 1 4% 50-200 m | CS2 Prepared Reporting Prepared Imit Dilution Prepared mg/kg Analyst: IY Output 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 0.0250 1 01/14/23 mg/kg Analyst: IY 20.0 1 01/14/23 mg/kg Analyst: JL 25.0 1 01/16/23 50.0 1 01/16/23 4% 50-200 01/16/23 mg/kg Analyst: BA | CS2 Prepared Analyzed Reporting Limit Dilution Prepared Analyzed mg/kg Analyst: IY 0.0250 1 01/14/23 01/14/23 0.0250 1 01/14/23 01/14/23 01/14/23 01/14/23 01/14/23 0.01/1 |



| ~. | | | | | |
|---------------|---|---|---|--|---|
| Project Name: | Mer | lyn 27-22 Fed 2 | Н | | |
| Project Numbe | er: 0103 | 58-0007 | Reported: | | |
| Project Manag | er: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | CS3 | | | | |
| | E301070-03 | | | | |
| | Reporting | | | | |
| Result | Limit | Dilution | Prepared | Analyzed | Notes |
| mg/kg | mg/kg | Anal | vst: IY | | Batch: 2302081 |
| ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| | 98.7 % | 70-130 | 01/14/23 | 01/14/23 | |
| mg/kg | mg/kg | Analyst: IY | | Batch: 2302081 | |
| ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| | 90.4 % | 70-130 | 01/14/23 | 01/14/23 | |
| mg/kg | mg/kg | Anal | vst: JL | | Batch: 2303013 |
| ND | 25.0 | 1 | 01/16/23 | 01/16/23 | |
| ND | 50.0 | 1 | 01/16/23 | 01/16/23 | |
| | 111 % | 50-200 | 01/16/23 | 01/16/23 | |
| mg/kg | mg/kg | Anal | yst: BA | | Batch: 2303004 |
| ND | 20.0 | 1 | 01/16/22 | 01/16/23 | |
| | Project Name: Project Numbe Project Manag Result <u>mg/kg</u> ND ND ND ND ND ND ND ND ND ND ND ND ND | Project Name: Mer Project Number: 0102 Project Manager: Tom Project Manager: Tom CS3 E E301070-03 Imit Mg/kg Mg/kg Mg/kg Mg/kg ND 0.0250 ND 20.0 g/kg mg/kg Mg/kg Mg/kg MD 25.0 ND 50.0 ND 50.0 Mg/kg mg/kg | Project Name: Merlyn 27-22 Fed 21 Project Number: 01058-0007 Project Manager: Tom Bynum CS3 Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 20.0 1 MD 20.0 1 MD 25.0 1 ND 50.0 1 MD 50.200 1 Mg/kg mg/kg Mg/kg Analy | I Project Name: Merlyn 27-22 Fed 2H Project Number: 01058-0007 Project Manager: Tom Bynum TOB Bynum CS3 ES01070-03 ES01070-03 TOB Bynum CS3 TOB Bynum CS3 ES01070-03 TOB Bynum Project Manager: ES01070-03 TOB Bynum TOB Bynum TOB Bynum TOB Bynum Project Manager: TOB State TOB Dilution Prepared Mg/kg Malayst: II//4/23 ND 0.0250 0 1/14/23 ND 0.0250 10/1/14/23 ND 20.0 1 MD 20.0 1 MD 20.0 1 MD 20 | Project Number: 01058-0007 Project Manager: Tom Bynum CS3 CS3 E301070-03 E301070-03 Result Limit Dilution Prepared Analyzed Mg/kg mg/kg Analyzed 01/14/23 01/14/23 MD 0.0250 1 01/14/23 01/14/23 ND 0.0250 1 01/14/23 01/14/23 MD 20.0 1 01/14/23 01/14/23 MD 20.0 1 01/14/23 01/14/23 MD 20.0 1 01/14/23 01/14/23 MD 25.0 1 01/16/23 01/16/23 MD |



| | 25 | ample D | ata | | | |
|--|---------------|------------|------------------|----------|----------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Mer | lyn 27-22 Fed 21 | I | | |
| PO Box 247 | Project Numbe | er: 0103 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | er: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CS4 | | | | |
| | | E301070-04 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.1 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: IY | | Batch: 2302081 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 94.1 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | st: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/16/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/16/23 | |
| Surrogate: n-Nonane | | 116 % | 50-200 | 01/16/23 | 01/16/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |



| | 3 | ample D | ata | | | |
|--|---------------|------------|------------------|----------|----------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | : Mer | lyn 27-22 Fed 2H | [| | |
| PO Box 247 | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW1 | | | | |
| | | E301070-05 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | st: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.5 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | st: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.3 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | st: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/16/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/16/23 | |
| Surrogate: n-Nonane | | 116 % | 50-200 | 01/16/23 | 01/16/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |

| | 3 | ample D | ata | | | |
|--|--------------|------------|------------------|----------|----------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 21 | ł | | |
| PO Box 247 | Project Numb | oer: 0105 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Mana | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW2 | | | | |
| | | E301070-06 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | rst: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.2 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | vst: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 92.2 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | rst: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| urrogate: n-Nonane | | 91.6 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | rst: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |

| | 3 | ample D | ata | | | |
|--|---------------|------------|------------------|----------|----------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 2H | | | |
| PO Box 247 | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW3 | | | | |
| | | E301070-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.2 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: IY | | Batch: 2302081 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 94.0 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| urrogate: n-Nonane | | 115 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | :: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |



| | 3 | ample D | ala | | | |
|--|--------------|------------|------------------|----------|----------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 21 | Н | | |
| PO Box 247 | Project Numb | oer: 010 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Mana | ger: Tom | n Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW4 | | | | |
| | | E301070-08 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | /st: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.0 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: IY | | Batch: 2302081 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.9 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | vst: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| Surrogate: n-Nonane | | 117 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | /st: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |



| | 3 | ample D | ลเล | | | |
|--|---------------|------------|------------------|----------|----------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 2H | | | |
| PO Box 247 | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW5 | | | | |
| | | E301070-09 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| oluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| -Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| ,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| otal Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| urrogate: 4-Bromochlorobenzene-PID | | 98.7 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: IY | | Batch: 2302081 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 91.6 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| urrogate: n-Nonane | | 116 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |



| | 5 | ample D | ala | | | |
|--|---------------|------------|---------------|------------|----------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | : Mer | lyn 27-22 Fed | 2Н | | |
| PO Box 247 | Project Numb | | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW6 | | | | |
| | | E301070-10 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilutio | n Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | An | alyst: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.4 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | An | alyst: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.8 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | An | alyst: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| Surrogate: n-Nonane | | 115 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | An | alyst: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |



| | 3 | ample D | ลเล | | | |
|--|--------------|------------|------------------|----------|----------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 21 | Н | | |
| PO Box 247 | Project Numb | oer: 010 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Mana | ger: Tom | n Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW7 | | | | |
| | | E301070-11 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | /st: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.9 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | /st: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 94.7 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | /st: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| Surrogate: n-Nonane | | 118 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | /st: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |



| | 3 | ample D | ลเล | | | |
|--|---------------|------------|------------------|----------|----------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name | : Mer | lyn 27-22 Fed 21 | Н | | |
| PO Box 247 | Project Numb | oer: 010 | 58-0007 | | | Reported: |
| Plains TX, 79355-0247 | Project Manag | ger: Tom | Bynum | | | 1/18/2023 4:19:53PM |
| | | CSW8 | | | | |
| | | E301070-12 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | vst: IY | | Batch: 2302081 |
| Benzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Ethylbenzene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Toluene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| p-Xylene | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| o,m-Xylene | ND | 0.0500 | 1 | 01/14/23 | 01/14/23 | |
| Total Xylenes | ND | 0.0250 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.3 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | /st: IY | | Batch: 2302081 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 01/14/23 | 01/14/23 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.0 % | 70-130 | 01/14/23 | 01/14/23 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | vst: JL | | Batch: 2303013 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 01/16/23 | 01/17/23 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 01/16/23 | 01/17/23 | |
| Surrogate: n-Nonane | | 123 % | 50-200 | 01/16/23 | 01/17/23 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | vst: BA | | Batch: 2303004 |
| Chloride | ND | 20.0 | 1 | 01/16/23 | 01/16/23 | |
| | | | | | | |



QC Summary Data

| | | <u> </u> | | v | | | | | |
|--------------------------------------|--------------|------------------|-----------|----------------|-------------|--------|-------------|-----------|---------------------|
| Pima Environmental Services-Carlsbad | | Project Name: | | lerlyn 27-22 F | ed 2H | | | | Reported: |
| PO Box 247 | | Project Number: | 01 | 1058-0007 | | | | | |
| Plains TX, 79355-0247 | | Project Manager: | To | om Bynum | | | | | 1/18/2023 4:19:53PM |
| | | Volatile O | rganics l | by EPA 802 | 21B | | | | Analyst: IY |
| Analyte | | Reporting | Spike | Source | | Rec | | RPD | |
| | Result | Limit | Level | Result | Rec | Limits | RPD | Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2302081-BLK1) | | | | | | | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| p-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.96 | | 8.00 | | 99.5 | 70-130 | | | |
| LCS (2302081-BS1) | | | | | | | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Benzene | 4.65 | 0.0250 | 5.00 | | 92.9 | 70-130 | | | |
| Ethylbenzene | 4.99 | 0.0250 | 5.00 | | 99.8 | 70-130 | | | |
| Toluene | 5.04 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| p-Xylene | 5.13 | 0.0250 | 5.00 | | 103 | 70-130 | | | |
| p,m-Xylene | 10.1 | 0.0500 | 10.0 | | 101 | 70-130 | | | |
| Total Xylenes | 15.3 | 0.0250 | 15.0 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.90 | | 8.00 | | 98.7 | 70-130 | | | |
| Matrix Spike (2302081-MS1) | | | | Source: | E301069- | 02 | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Benzene | 4.81 | 0.0250 | 5.00 | ND | 96.1 | 54-133 | | | |
| Ethylbenzene | 5.15 | 0.0250 | 5.00 | ND | 103 | 61-133 | | | |
| Toluene | 5.20 | 0.0250 | 5.00 | ND | 104 | 61-130 | | | |
| p-Xylene | 5.30 | 0.0250 | 5.00 | ND | 106 | 63-131 | | | |
| p,m-Xylene | 10.4 | 0.0500 | 10.0 | ND | 104 | 63-131 | | | |
| Total Xylenes | 15.7 | 0.0250 | 15.0 | ND | 105 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.66 | | 8.00 | | 95.7 | 70-130 | | | |
| Matrix Spike Dup (2302081-MSD1) | | | | Source: | E301069- | 02 | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Benzene | 4.57 | 0.0250 | 5.00 | ND | 91.4 | 54-133 | 4.96 | 20 | |
| Ethylbenzene | 4.92 | 0.0250 | 5.00 | ND | 98.4 | 61-133 | 4.64 | 20 | |
| Toluene | 4.95 | 0.0250 | 5.00 | ND | 99.1 | 61-130 | 4.87 | 20 | |
| p-Xylene | 5.07 | 0.0250 | 5.00 | ND | 101 | 63-131 | 4.54 | 20 | |
| | | | | | | (2,121 | 4.53 | 20 | |
| p,m-Xylene | 9.97 | 0.0500 | 10.0 | ND | 99.7 | 63-131 | 4.55 | 20 | |
| | 9.97 15.0 | 0.0500 0.0250 | 10.0 | ND ND | 99.7 100 | 63-131 | 4.53 | 20 | |



QC Summary Data

| | | QU D | u 111111 | ing Data | | | | | |
|--|--------|----------------------------------|----------------|-----------------------------|----------|---------------|-------------|--------------|---------------------|
| Pima Environmental Services-Carlsbad PO Box 247 | | Project Name: Project Number: | | lerlyn 27-22 F 1058-0007 | ed 2H | | | | Reported: |
| Plains TX, 79355-0247 | | Project Manager: | Te | om Bynum | | | | | 1/18/2023 4:19:53PM |
| | No | nhalogenated (| Organics | by EPA 80 | 15D - Gl | RO | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2302081-BLK1) | | | | | | | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.60 | | 8.00 | | 95.0 | 70-130 | | | |
| LCS (2302081-BS2) | | | | | | | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Gasoline Range Organics (C6-C10) | 50.5 | 20.0 | 50.0 | | 101 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.44 | | 8.00 | | 93.0 | 70-130 | | | |
| Matrix Spike (2302081-MS2) | | | | Source: | E301069- | 02 | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Gasoline Range Organics (C6-C10) | 48.0 | 20.0 | 50.0 | ND | 96.0 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.49 | | 8.00 | | 93.6 | 70-130 | | | |
| Matrix Spike Dup (2302081-MSD2) | | | | Source: | E301069- | 02 | Prepared: 0 | 1/14/23 A | analyzed: 01/14/23 |
| Gasoline Range Organics (C6-C10) | 48.7 | 20.0 | 50.0 | ND | 97.4 | 70-130 | 1.44 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.2 | 70-130 | | | |



QC Summary Data

| | | QU D | u 111111 | ary Data | | | | | |
|--|--------|----------------------------------|----------------|------------------------------|----------|---------------|-------------|--------------|---|
| Pima Environmental Services-Carlsbad PO Box 247 | | Project Name: Project Number: | (| Merlyn 27-22 F 01058-0007 | ed 2H | | | | Reported: 1/18/2023 4:19:53PM |
| Plains TX, 79355-0247 | | Project Manager: | | Tom Bynum | | | | | 1/18/2023 4:19:53PM |
| | Nonh | alogenated Org | anics by | y EPA 8015I |) - DRO | /ORO | | | Analyst: JL |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2303013-BLK1) | | | | | | | Prepared: 0 | 1/16/23 A | Analyzed: 01/16/23 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 57.9 | | 50.0 | | 116 | 50-200 | | | |
| LCS (2303013-BS1) | | | | | | | Prepared: 0 | 1/16/23 A | Analyzed: 01/16/23 |
| Diesel Range Organics (C10-C28) | 252 | 25.0 | 250 | | 101 | 38-132 | | | |
| Surrogate: n-Nonane | 57.0 | | 50.0 | | 114 | 50-200 | | | |
| Matrix Spike (2303013-MS1) | | | | Source: | E301070- | 04 | Prepared: 0 | 1/16/23 A | Analyzed: 01/16/23 |
| Diesel Range Organics (C10-C28) | 249 | 25.0 | 250 | ND | 99.6 | 38-132 | | | |
| Surrogate: n-Nonane | 57.3 | | 50.0 | | 115 | 50-200 | | | |
| Matrix Spike Dup (2303013-MSD1) | | | | Source: | E301070- | 04 | Prepared: 0 | 1/16/23 A | Analyzed: 01/16/23 |
| Diesel Range Organics (C10-C28) | 261 | 25.0 | 250 | ND | 104 | 38-132 | 4.65 | 20 | |
| Surrogate: n-Nonane | 56.8 | | 50.0 | | 114 | 50-200 | | | |



QC Summary Data

| | | | | J | | | | | |
|--------------------------------------|--------|--------------------|----------------|------------------|-----------|---------------|-------------|--------------|---------------------|
| Pima Environmental Services-Carlsbad | | Project Name: |] | Merlyn 27-22 F | Fed 2H | | | | Reported: |
| PO Box 247 | | Project Number: | | 01058-0007 | | | | | |
| Plains TX, 79355-0247 | | Project Manager: | : , | Tom Bynum | | | | | 1/18/2023 4:19:53PM |
| | | Anions | by EPA | 300.0/9056 | 4 | | | | Analyst: BA |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2303004-BLK1) | | | | | | | Prepared: 0 | 1/16/23 | Analyzed: 01/16/23 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2303004-BS1) | | | | | | | Prepared: 0 | 1/16/23 | Analyzed: 01/16/23 |
| Chloride | 245 | 20.0 | 250 | | 97.9 | 90-110 | | | |
| Matrix Spike (2303004-MS1) | | | | Source: | E301069-0 | 01 | Prepared: 0 | 1/16/23 | Analyzed: 01/16/23 |
| Chloride | 251 | 20.0 | 250 | ND | 100 | 80-120 | | | |
| Matrix Spike Dup (2303004-MSD1) | | | | Source: | E301069-0 | 01 | Prepared: 0 | 1/16/23 | Analyzed: 01/16/23 |
| Chloride | 251 | 20.0 | 250 | ND | 100 | 80-120 | 0.136 | 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.



| | 20111010115 | | |
|--------------------------------------|------------------|---------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Merlyn 27-22 Fed 2H | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 01/18/23 16:19 |

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 | i |
|---------|-------------|---|
|---------|-------------|---|

Sample Matrix: 5 - Soil Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Release

CWA

State NM CO UT AZ TX

Remarks

TAT

1D 2D 3D Standard

Job Number

Chloride 300.0

01058-0007

Analysis and Method

MN

BGDOC BGDOC

*

Received on ice:

AVG Temp °C

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

packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Y

T2

Lab Use Only N

Samples requiring thermal preservation must be received on ice the day they are sampled or received

T3

X

| Client: P | ima Envi | ronmen | tal Servio | es | Bill To | 9 | | | La | ab Us | se Or | nl |
|---|--|--------------|-----------------|----------------------|--|--------------------|-----------------|-----------------|--------------|-------------|-------------|----|
| Project: MRY Lyn 27-22 Fed 2H Project Manager: Tom Bynum | | | | d ZH | Attention: DeNON | | | WO | | | Job | |
| | | | | | Address: | | E3 | OK | FC | 0 | 01 | |
| | 5614 N. | | | | City, State, Zip | | | | | - | Anal | Y |
| | e, Zip Hc 580-748- | | <u>M. 88240</u> | | Phone: | - | | | | | | I |
| | om@pin | | m | | Email: | - | 8015 | 8015 | | | | |
| Report du | | | | | Pima Project # 1-201 | | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | 010 | |
| Time | Date | | No. of | C | | Lab | NOR | /DR | χþγ | by 8 | Metals 6010 | |
| Sampled | Sampled | Matrix | Containers | Sample ID | | Number | DRO | GRO | BTE | voc | Met | |
| 8:00 | 1/12/23 | S | 1 | CSI | | 1 | | | | | 513 | |
| 8:05 | 1 | 1 | 1 | CS2 | | 2 | | | | | | T |
| 8:10 | | | | CS 3 | | 3 | | | | | | |
| 8:15 | | | | CS4 | | 4 | | | | | | |
| 8:20 | | | | CSW1 | | 5 | | | | | | |
| 8:25 | | | | CSW 2 | | 0 | | | | | | |
| 8:30 | | | | CSW3 | | Г | | | | | | |
| 8:35 | - | | | CSWL | | 8 | | | | | | |
| 8:40 | | | | CSW 5 | 5 | 9 | | | | | | |
| 8:45 | * | - | - | CSWI | l | 10 | | | | | | |
| Addition | al Instruc | tions: | | Ril | to devon: 2104 | 8000 |) | | | | | |
| I, (field samp | oler), attest to | the validity | and authent | city of this sample. | I am aware that tampering with or intentionally misl | abelling the sampl | e locati | on | | | Samp | |
| | al and a set of the se | | | nay be grounds for I | | | J.X. | | X | | packe | d |
| At | ed by: (Signa | | | 3.23 Z: | | Date 1-13-2 | 23 | Time | 1121 | 2 | Rec | e |
| mich | | ulle | Date | 3-23 Time | 00 Received by: (Signature) | Date 1-1-3-7 | 23 | Time, | FDR | | T1 | |
| | ed by: (Signa | itupe) | Date | Time | Received by: (Signature) | Λ 1·14· | | Time | | | | |

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 Page 105 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

80I

| Project | Information |
|---------|-------------|
| roject | mormation |

Client: Pima Environmental Services

Project Manager: Tom Bynum

Phone: 580-748-1613

Report due by:

Time

Sampled

8:50

8:55

Email: tom@pimaoil.com

Date

Sampled

112 23

4

Address: 5614 N. Lovington Hwy.

City, State, Zip Hobbs, NM, 88240

Project: Meylun 27-22 Fed 2H

Matrix

No. of

Containers

4

Sample ID

Bill To

Attention: Devon

Address:

Phone:

Email:

City, State, Zip

Pima Project #

Page 2 of 2

Received by OCD: 3/20/2023 1:20:33 PM TAT **EPA** Program Lab Use Only 1D 2D 3D Standard CWA Lab WO# Job Number SDWA 01058-0007 F 2010 -1(х RCRA Analysis and Method State DRO/ORO by 8015 GRO/DRO by 8015 NM CO UT AZ TX Chloride 300.0 NN BTEX by 8021 VOC by 8260 Metals 6010 -207 X X BGDOC BGDOC Lab Remarks Number X 12 4

T2

AVG Temp °C

T3

| Additional | Instructions: | |
|------------|---------------|--|
| | | |

Relinguish

| Additional Instructions: | F | sill to | Devon: 210480 | 00 | | | | |
|--|-----------------|--------------|---|----------------------------------|-----------|---|------------|--|
| I, (field sampler), attest to the validity a date or time of collection is considered | | | e that tampering with or intentionally mislabe a. <u>Sampled by: AUDTLOU</u> | lling the sample loc NO. BENO | widez | Samples requiring thermal packed in ice at an avg tem | | eived on ice the day they are sampled or receive °C on subsequent days. |
| Relinquished by: (Signature) | Date 1-13-23 | Time 2:00 | Received by: (Signature) | Date 1-13-23 | Time 1400 | Received on ice: | Lab Use On | ly |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time C | | U | |

| AS | 11-15-63 | 12.00 |
|----------------------|----------|-------|
| shed by: (Signature) | Date | Time |
| 10,0001 Kulls | 1-13-23 | 1700 |

| ille aug | 111000 | 11100 |
|--------------------|---------|-------|
| ed by: (Signature) | Date | Time |
| renze lis | 1-13-23 | 2402 |

Sample Matrix 5 - 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.

80I

Time

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Pima Environmental Services-Carlsbad D | ate Received: | 01/14/23 | 08:00 | Work Order ID: | E301070 | |
|---|--|----------------------|----------------------------|---------------------|----------------|-------------------|--|
| Phone: | (575) 631-6977 D | ate Logged In: | 01/13/23 | 14:46 | Logged In By: | Caitlin Christian | |
| Email: | | ue Date: | 01/20/23 17:00 (4 day TAT) | | | | |
| Chain o | f Custody (COC) | | | | | | |
| | the sample ID match the COC? | | Yes | | | | |
| | the number of samples per sampling site location match | the COC | Yes | | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Courier | | | |
| 4. Was th | he COC complete, i.e., signatures, dates/times, requested | d analyses? | Yes | | | | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | | Yes | | Comments/Resolution | | | |
| Sample | <u>Turn Around Time (TAT)</u> | | | | | | |
| 6. Did th | ne COC indicate standard TAT, or Expedited TAT? | | Yes | | | | |
| Sample | <u>Cooler</u> | | | | | | |
| 7. Was a | a sample cooler received? | | Yes | | | | |
| 8. If yes, | , was cooler received in good condition? | | Yes | | | | |
| 9. Was tl | he sample(s) received intact, i.e., not broken? | | Yes | | | | |
| 10. Were | e custody/security seals present? | | No | | | | |
| 11. If ye | s, were custody/security seals intact? | | NA | | | | |
| 12. Was t | the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling | | Yes | | | | |
| 13. If no | visible ice, record the temperature. Actual sample ter | mperature: <u>4°</u> | <u>C</u> | | | | |
| Sample | Container | · _ | | | | | |
| | aqueous VOC samples present? | | No | | | | |
| | VOC samples collected in VOA Vials? | | NA | | | | |
| 16. Is the | e 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 1 | non-VOC samples collected in the correct containers? | | Yes | | | | |
| 19. Is the | e appropriate volume/weight or number of sample containers | s collected? | Yes | | | | |
| Field La | abel | | | | | | |
| 20. Were | e field sample labels filled out with the minimum inform | nation: | | | | | |
| | Sample ID? | | Yes | | | | |
| | Date/Time Collected? | | Yes | | | | |
| | Collectors name? | | No | | | | |
| | <u>Preservation</u> s the COC or field labels indicate the samples were prese | erved? | No | | | | |
| | sample(s) correctly preserved? | | NA | | | | |
| | b filteration required and/or requested for dissolved meta | als? | No | | | | |
| | nase Sample Matrix | ··· • | 110 | | | | |
| - | s the sample have more than one phase, i.e., multiphase? | , | N | | | | |
| | es, does the COC specify which phase(s) is to be analyze | | No NA | | | | |
| | tract Laboratory | ·•• | INA | | | | |
| | 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 | | | |
| | | | | | | | |

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



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

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 198861 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2227246284 MERLYN 27-22 FED 2H, thank you. This closure is approved. 8/1/2023 rhamlet

CONDITIONS

Action 198861

Condition Date