Page 6

Oil Conservation Division

Incident ID	nAPP2227246284
District RP	
Facility ID	
Application ID	

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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
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
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Facility ID	
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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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Application ID	

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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:

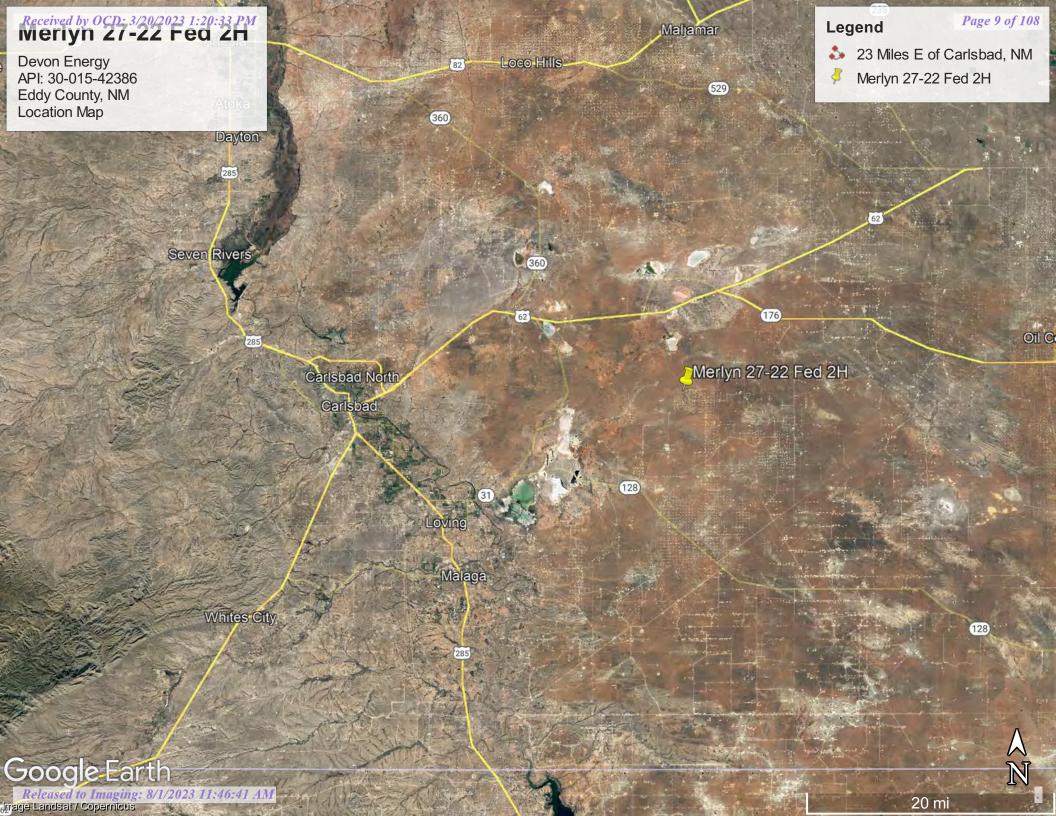
1-Location Map

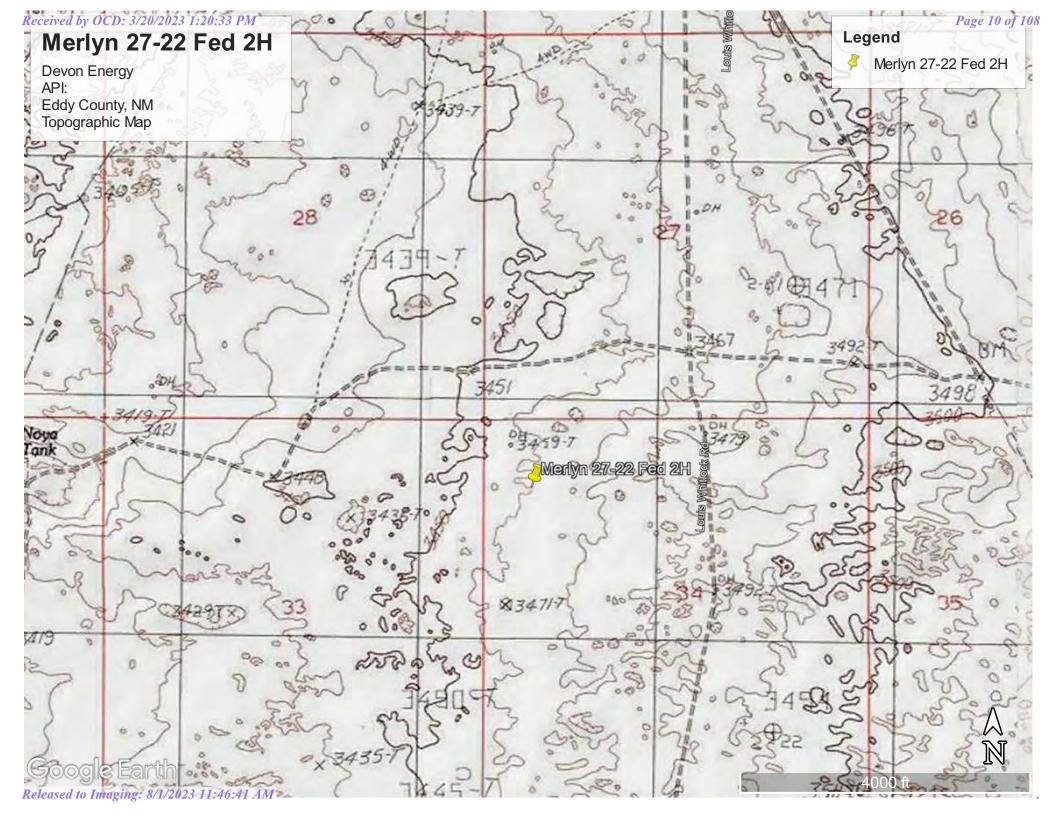
2-Topographic Map

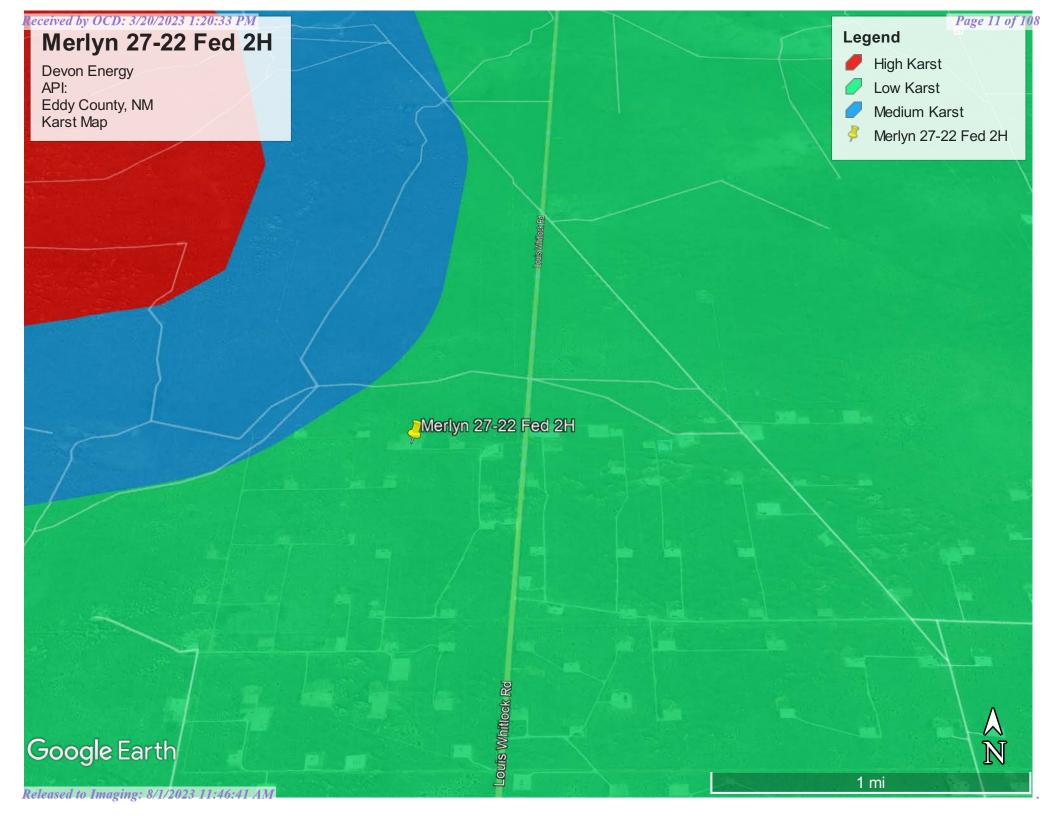
3-Karst Map

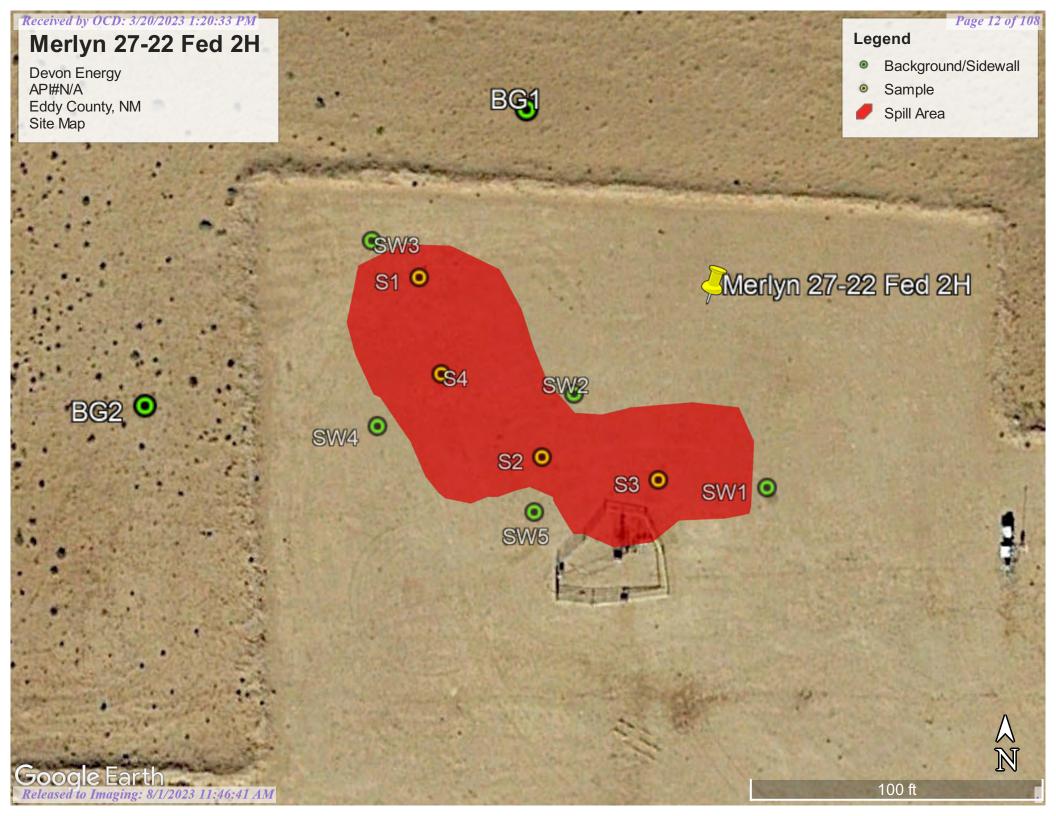
4-Site Map

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.

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WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

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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

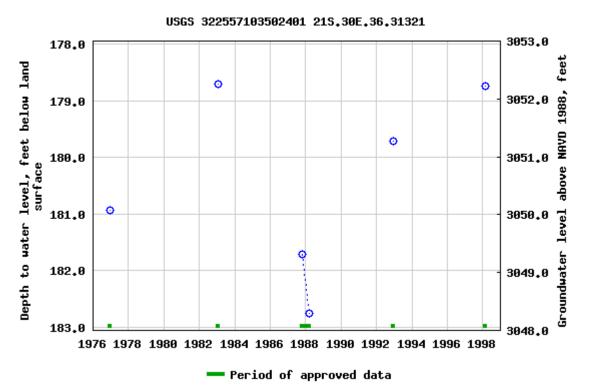
USGS 322557103502401 21S.30E.36.31321

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

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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

(62)

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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

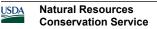
Percent of map unit: 4 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

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



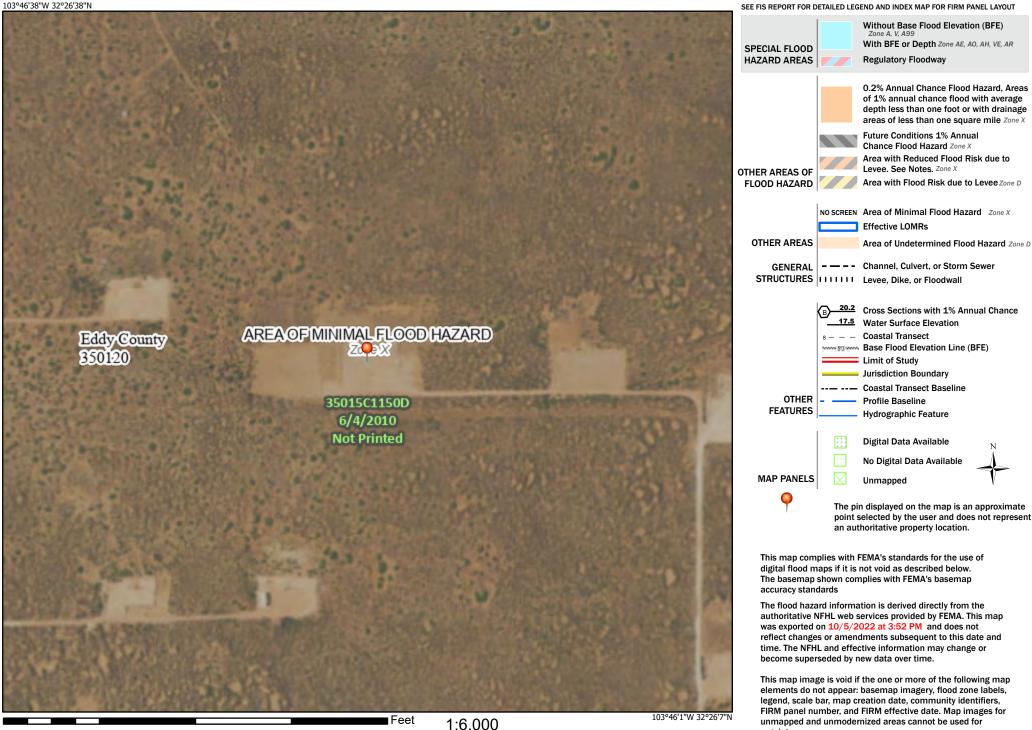
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Legend

regulatory purposes.

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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

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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
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Released

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

roject Informat	ION					nain of Custody	/											Page EPA P CWA State UT AZ Remarks	OT
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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													
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Additional Inst			Billir	\A #	21048000														
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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





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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
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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										
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																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

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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

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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
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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