

Incident ID	nAPP2229127298
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/28/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 02/28/2023

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: Robert Hamlet Date: 6/30/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	nAPP2229127298
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229127298
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Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/28/2023

email: dale.woodall@dnv.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 02/28/2023

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Received by: Jocelyn Harimon Date: 02/28/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services, LLC
5614 N. Lovington Hwy.
Hobbs, NM 88240
575-964-7740

February 24, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
Onyx 29 CTB 1
API No. N/A
GPS: Latitude 32.634820, Longitude -104.102065
UL- E, Section 32, Township 19S, Range 29E
Eddy County, NM
NMOCD Ref. No. NAPP2229127298

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and remediation activities for a produced water and crude oil release that occurred at the Onyx 29 CTB 1 (Onyx). The initial C-141 was submitted on November 4, 2022 (Appendix C). This incident was assigned Incident ID NAPP2229127298, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Onyx is located approximately eighteen (18) miles east of Seven Rivers, NM. This spill site is in Unit Letter E, Section 32, Township 19S, Range 29E, Latitude 32.634820, Longitude -104.102065, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reeves-Gypsum land complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a high potential for karst geology to be present around the Onyx (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 75 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 67 feet BGS. The closest waterway is a Salt Playa located approximately 6.39 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' High Karst	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

NAPP2229127298: On October 17, 2022, a 3-phase separator dump valve developed a leak causing fluid to be released. The released fluids were calculated to be approximately 10 barrels (bbls) of produced water and 5 bbls of crude oil. A vacuum truck was able to recover 10 bbls of standing fluid.

Site Assessment and Soil Sampling Results

On October 25, 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.

10-25-22 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - ONYX PWU 29 CTB 1								
Sample Date: 10/25/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	2'	ND	ND	ND	ND	ND	0	7280
	3'	ND	ND	ND	90	ND	90	1950
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S-2	2'	ND	ND	ND	27.5	ND	27.5	1710
	3'	ND	ND	ND	51.9	ND	51.9	623
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S-3	2'	ND	ND	ND	264	87.1	351.1	463
	3'	ND	ND	ND	103	ND	103	238
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S-4	2'	ND	ND	ND	178	68.6	246.6	383
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
S-5	2'	ND	ND	ND	198	53.6	251.6	1390
	3'	ND	ND	ND	96.6	ND	96.6	839
	4'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND	ND	0	ND
SW-1	6"	ND	ND	ND	ND	ND	0	ND
SW-2	6"	ND	ND	ND	ND	ND	0	ND
SW-3	6"	ND	ND	ND	ND	ND	0	ND
SW-4	6"	ND	ND	ND	ND	ND	0	ND
SW-5	6"	ND	ND	ND	ND	ND	0	ND
SW-6	6"	ND	ND	ND	ND	ND	0	ND
SW-7	6"	ND	ND	ND	ND	ND	0	ND
SW-8	6"	ND	ND	ND	ND	ND	0	ND
SW-9	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On January 12, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 4' BGS. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 26, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples. The laboratory results of this sampling event can be found in the following data table.

1-26-23 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - ONYX PWU 29 CTB 1								
Sample Date: 1/26/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	4'	ND	ND	ND	ND	ND	0	ND
CS 2	4'	ND	ND	ND	ND	ND	0	ND
CS 3	4'	ND	ND	ND	ND	ND	0	ND
CS 4	4'	ND	ND	ND	ND	ND	0	ND
CS 5	4'	ND	ND	ND	ND	ND	0	ND
CS 6	4'	ND	ND	ND	ND	ND	0	ND
CS 7	4'	ND	ND	ND	ND	ND	0	ND
CS 8	4'	ND	ND	ND	ND	ND	0	ND
CS 9	4'	ND	ND	ND	ND	ND	0	ND
CS 10	4'	ND	ND	ND	ND	ND	0	ND
CS 11	4'	ND	ND	ND	ND	ND	0	ND
CSW 1	4'	ND	ND	ND	ND	ND	0	ND
CSW 2	4'	ND	ND	ND	ND	ND	0	ND
CSW 3	4'	ND	ND	ND	ND	ND	0	ND
CSW 4	4'	ND	ND	ND	ND	ND	0	ND
CSW 5	4'	ND	ND	ND	ND	ND	0	ND
CSW 6	4'	ND	ND	ND	ND	ND	0	ND
CSW 7	4'	ND	ND	ND	ND	ND	0	ND
CSW 8	4'	ND	ND	ND	ND	ND	0	ND
CSW 9	4'	ND	ND	ND	ND	ND	0	ND
CSW 10	4'	ND	ND	ND	ND	ND	0	ND
CSW 11	4'	ND	ND	ND	ND	ND	0	ND
CSW 12	4'	ND	ND	ND	ND	ND	0	ND
CSW 13	4'	ND	ND	ND	ND	ND	0	ND
CSW 14	4'	ND	ND	ND	ND	ND	0	ND
CSW 15	4'	ND	ND	ND	ND	ND	0	ND
CSW 16	4'	ND	ND	ND	ND	ND	0	ND
CSW 17	4'	ND	ND	ND	ND	ND	0	ND
CSW 18	4'	ND	ND	ND	ND	ND	0	ND
CSW 19	4'	ND	ND	ND	ND	ND	0	ND
CSW 20	4'	ND	ND	ND	ND	ND	0	ND
CSW 21	4'	ND	ND	ND	ND	ND	0	ND
CSW 22	4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAPP2229127298, 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 575-964-7740 or gio@pimaoil.com.

Respectfully,



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
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map


4-Site Map

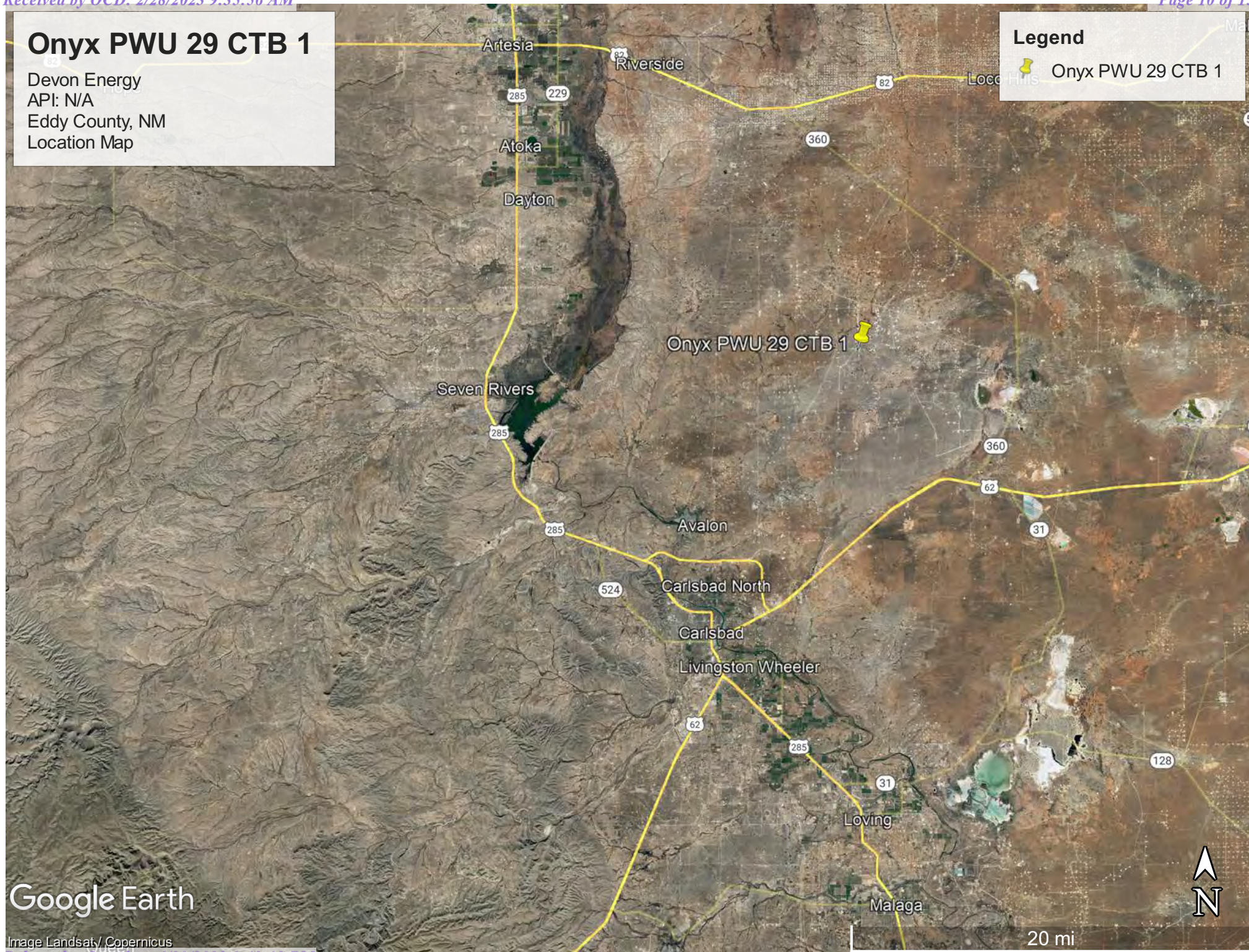
5-Confirmation Sample Map

Onyx PWU 29 CTB 1

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

Legend

 Onyx PWU 29 CTB 1



Google Earth

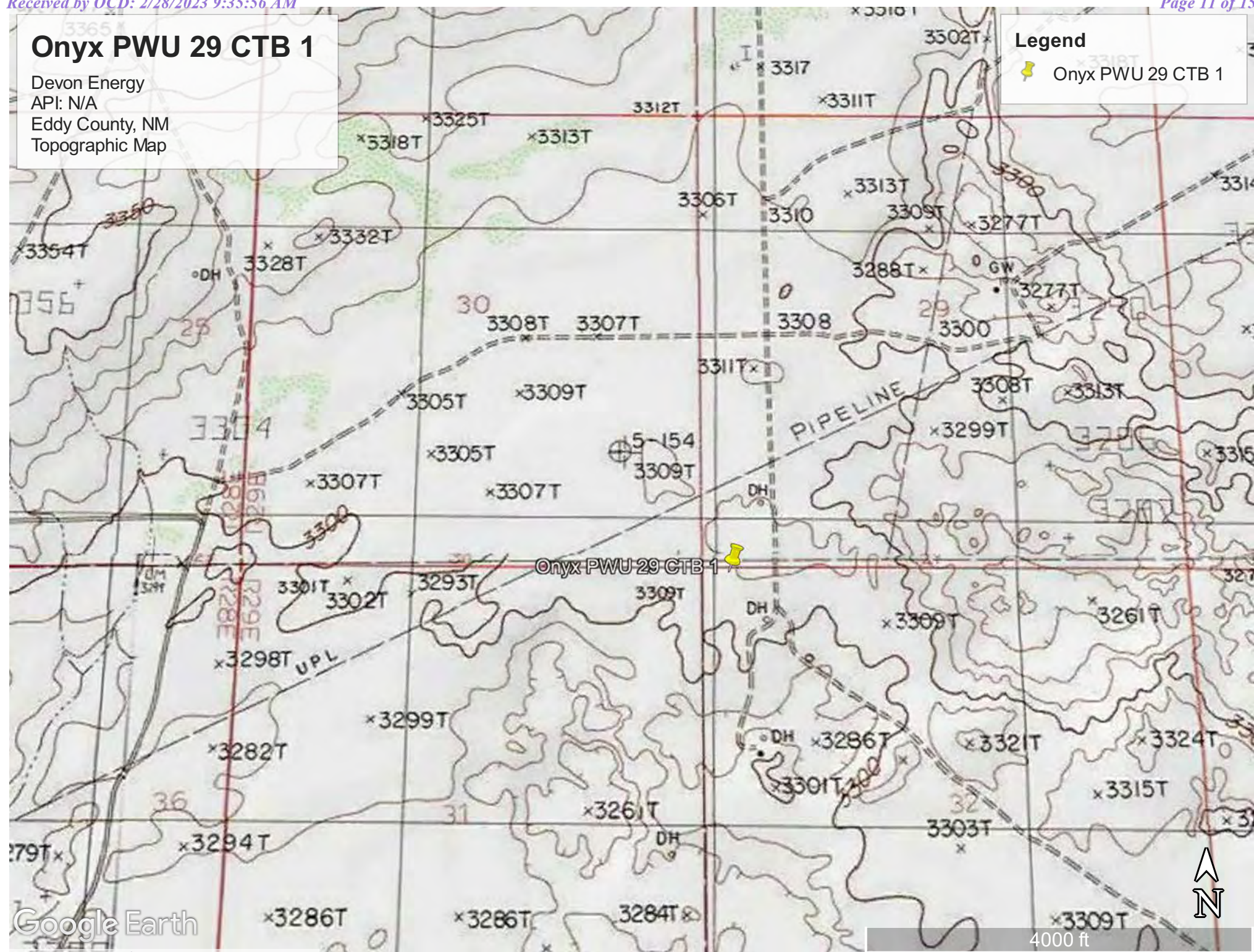
Image Landsat/ Copernicus

Onyx PWU 29 CTB 1

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

Legend


 Onyx PWU 29 CTB 1

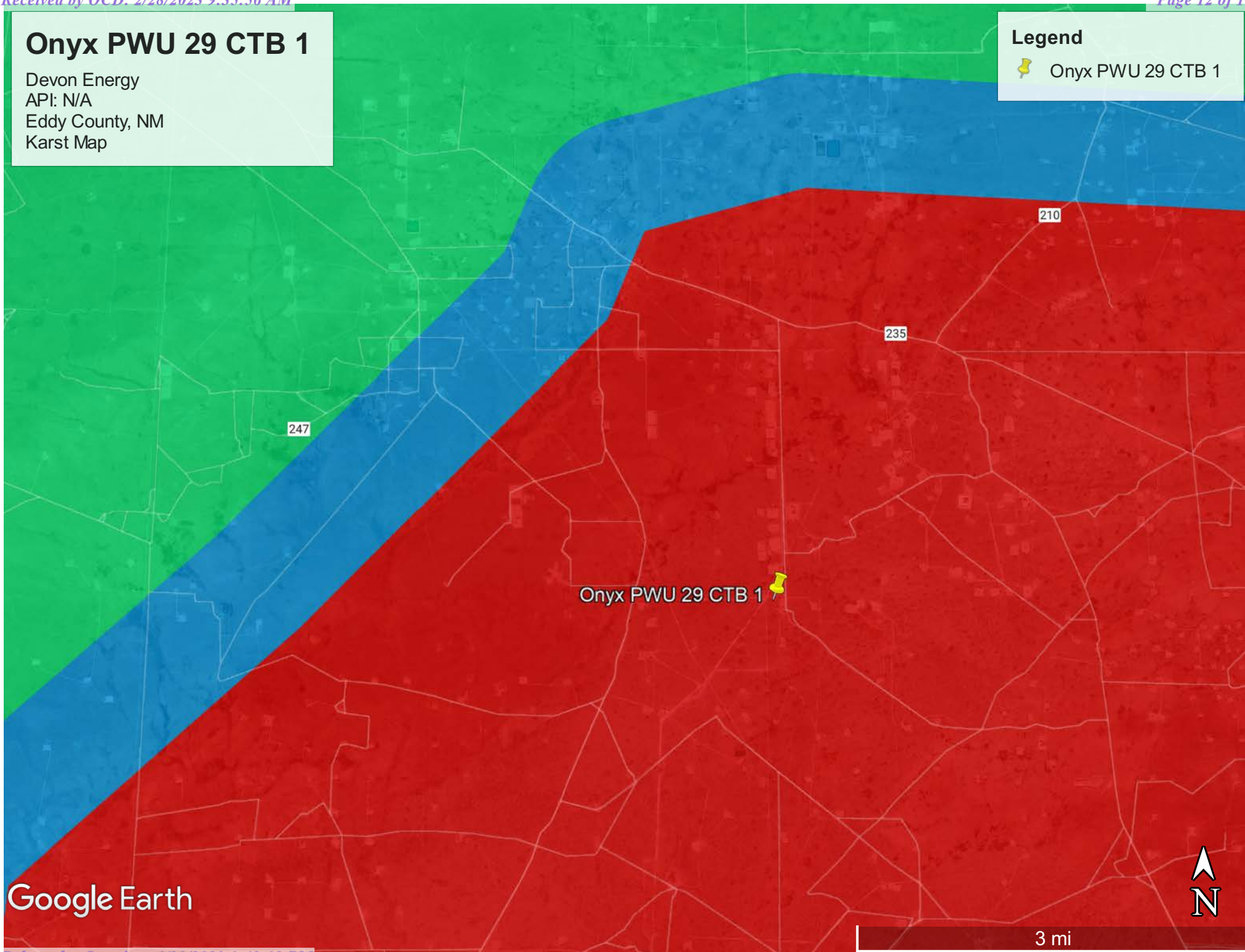


Onyx PWU 29 CTB 1

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

Legend

 Onyx PWU 29 CTB 1

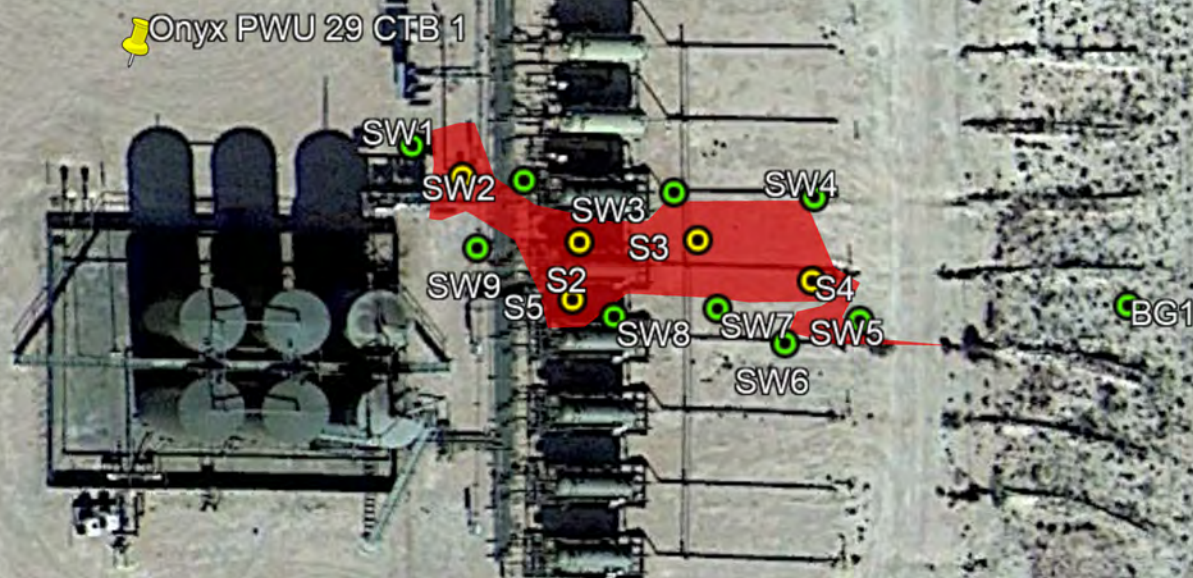


Onyx PWU 29 CTB 1

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

Legend

- Background/Sidewalls
- 📌 Onyx 29 CTB 1
- Samples



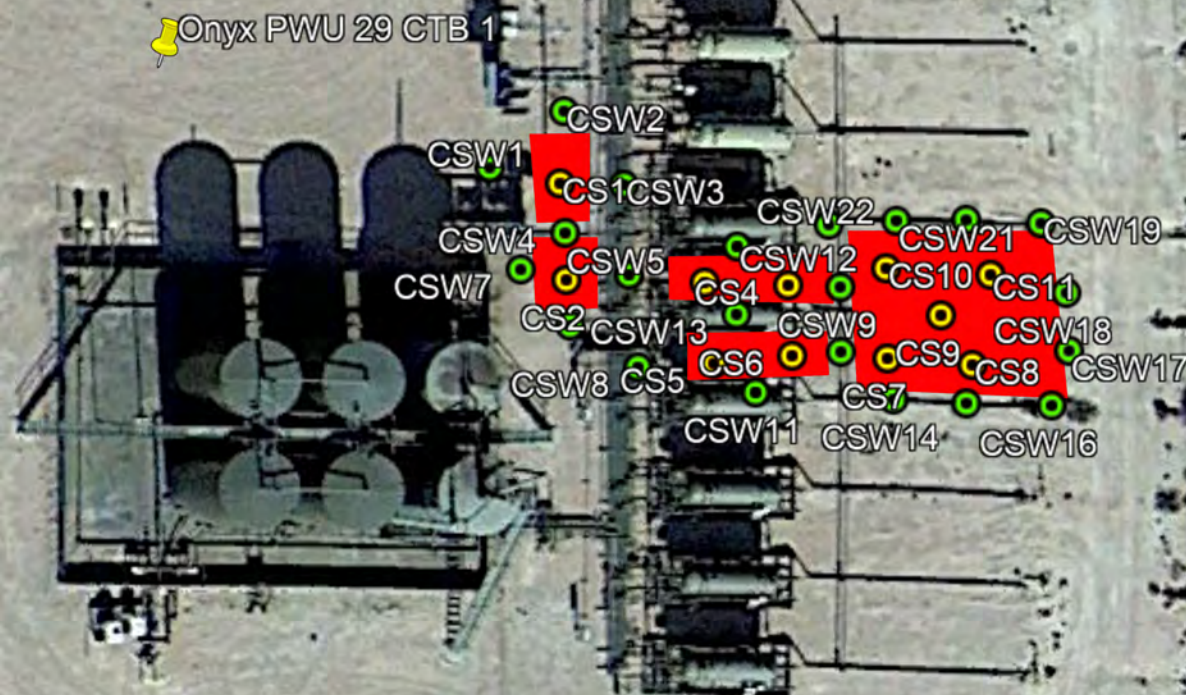
100 ft

Onyx PWU 29 CTB 1

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

Legend

- Confirmation Samples
- Confirmation Sidewalls
- Onyx 29 CTB 1



100 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01231 POD1		CP	ED	4	4	2	36	19S	28E	582311	3609372	1793	300	75	225
CP 00830 POD1		CP	LE	2	1	04	20S	29E	586118	3608193*		2803	120		
CP 00743 POD1		CP	ED	2	4	05	20S	29E	585319	3607382*		2950	160		
CP 00681		CP	ED	1	1	3	34	19S	29E	587230	3609127*	3362			
CP 00926 POD1		CP	LE	2	1	4	01	20S	28E	581793	3607405	3408	300		
CP 00698 POD1		CP	ED	3	1	03	20S	29E	587393	3608010		3952			
CP 00741		CP	ED	1	3	2	34	19S	29E	588030	3609533*	4072	230	60	170
CP 01201 POD1		CP	ED	2	2	1	18	20S	29E	582983	3605121	4994	140	100	40

Average Depth to Water: **78 feet**

Minimum Depth: **60 feet**

Maximum Depth: **100 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 583986.33

Northing (Y): 3610013.96

Radius: 5000

*UTM location was derived from PLSS - see Help

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

10/19/22 11:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 323900104052901

Minimum number of levels = 1

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

USGS 323900104052901 19S.29E.20.24111 RATLSNAKE

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'00", Longitude 104°05'29" NAD27

Land-surface elevation 3,306 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

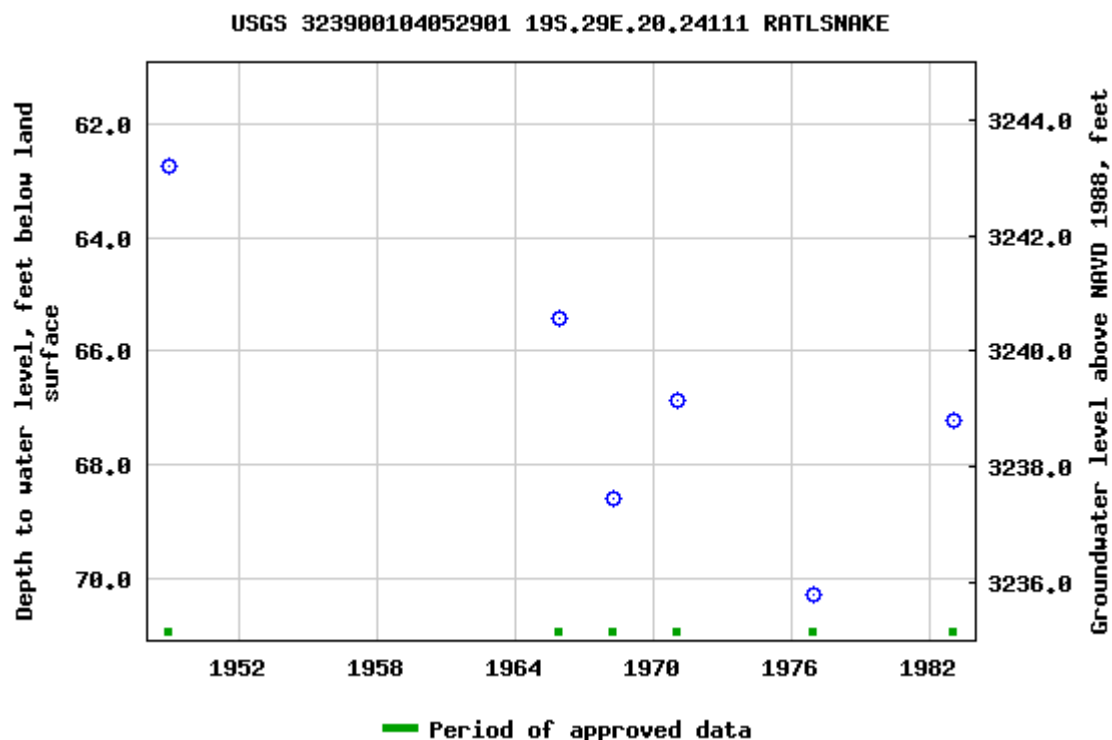
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2022-10-19 13:22:28 EDT



0.6 0.52 nadww01



Onyx PWU 29 CTB 1

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

Legend

-  6.39 Miles
-  Onyx PWU 29 CTB 1

Onyx PWU 29 CTB 1

Pond

Google Earth



6 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land**Setting**

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components**Largo**

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

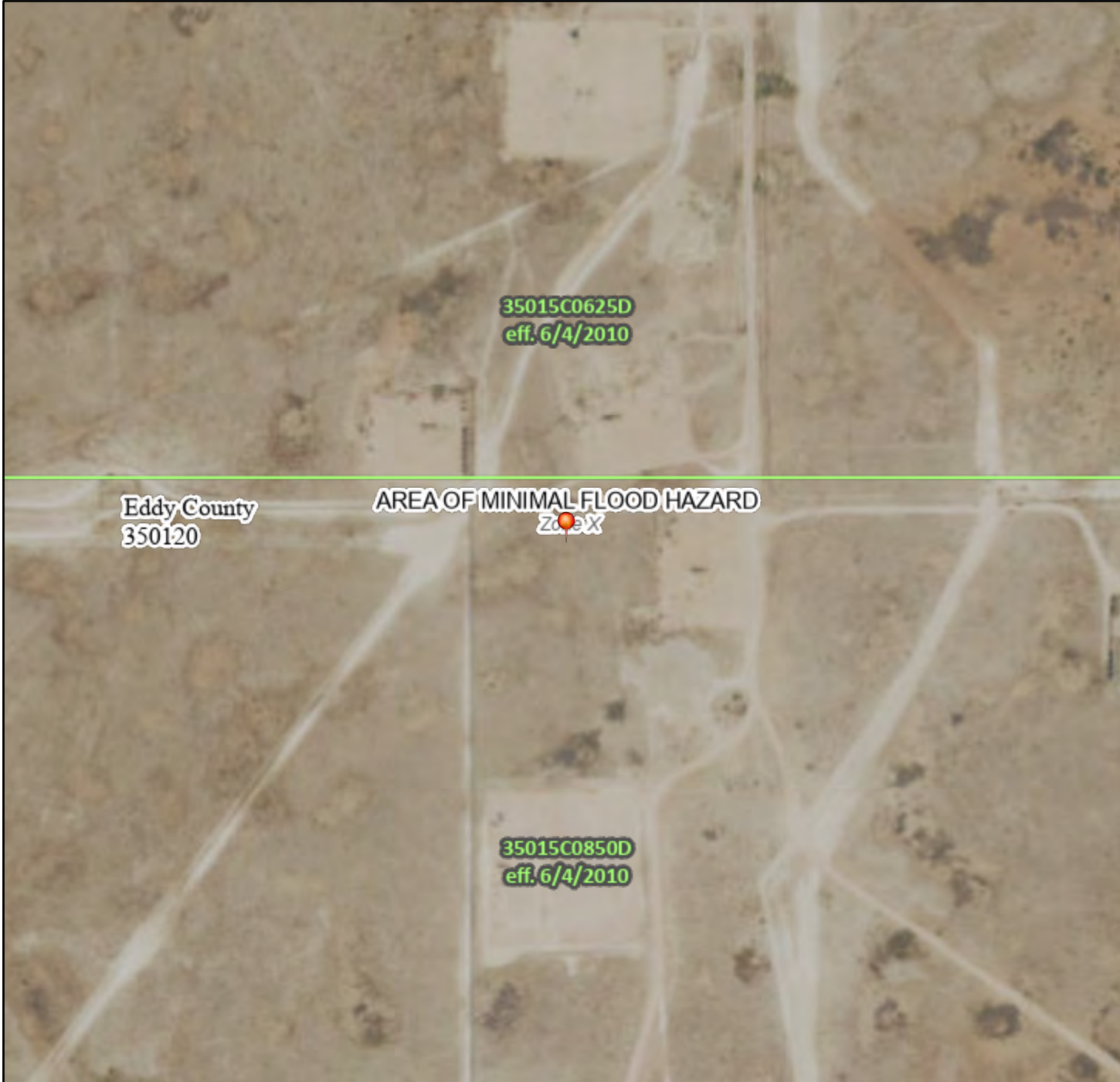
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



104°6'36"W 32°37'43"N



Legend

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

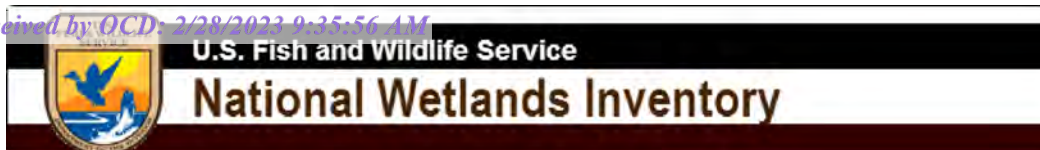
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage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

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

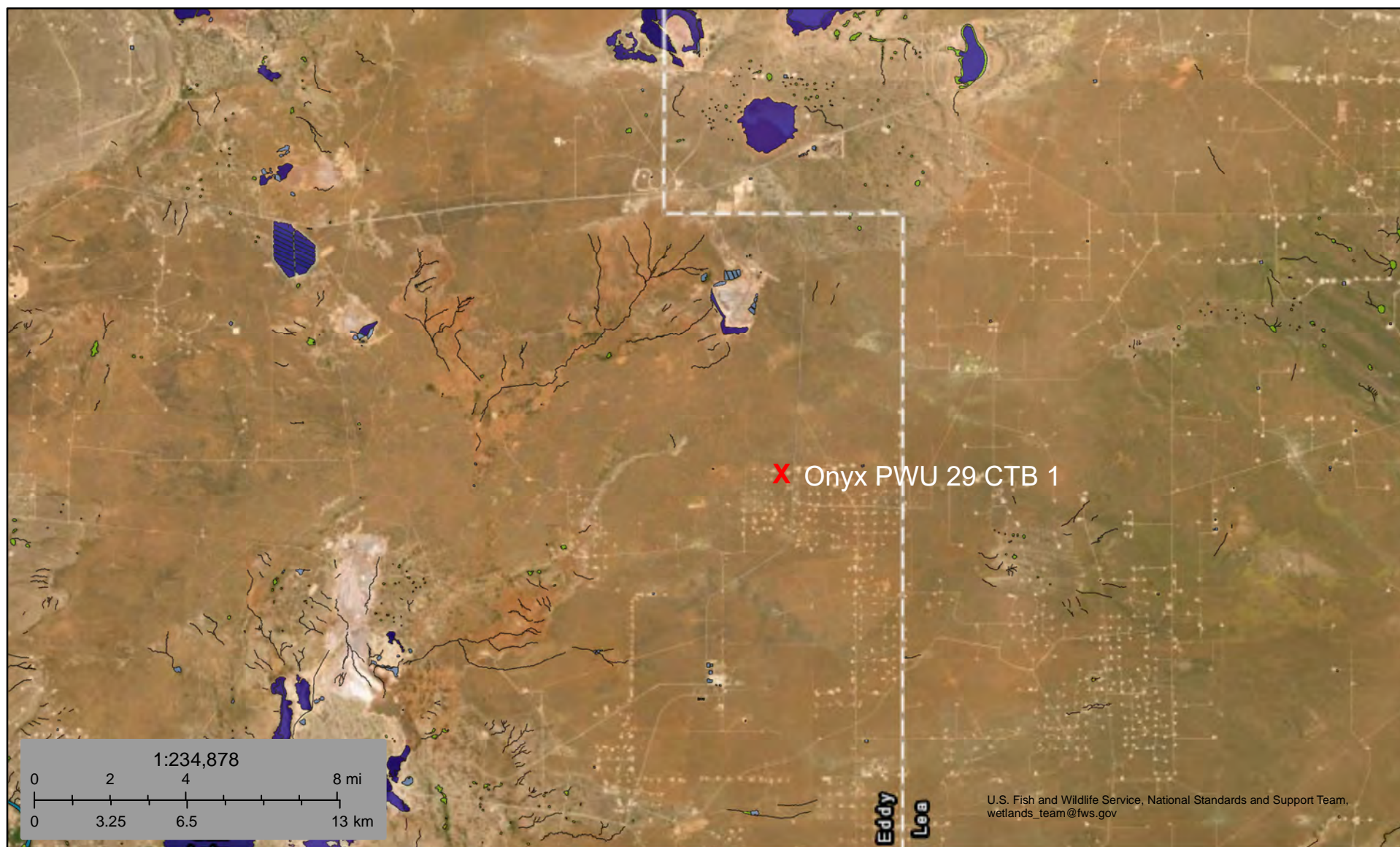
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/19/2022 at 1:26 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



October 19, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2229127298
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.634820 Longitude -104.102065
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Onyx 29 CTB 1	Site Type Oil
Date Release Discovered 10/17/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	32	19S	29E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5 BBLS	Volume Recovered (bbls) 5 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10 BBLS	Volume Recovered (bbls) 5 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Fluid released from 3 phase dump valve.


Incident ID	nAPP2229127298
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra Ruiz</u> Signature: <u><i>Kendra Ruiz</i></u> email: <u>Kendra.Ruiz@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>11/4/2022</u> Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>11/04/2022</u>

Spill Volume(Bbls) Calculator	
Inputs in blue , Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>3542.211</u> 	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>73.796</u>
Barrels of Soil Impacted	<u>13.15</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.97</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>1.97</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>3542.211</u>	<u>0.250</u>
Standing fluid	<u>13.154</u>
Total fluids spilled	<u>15.128</u>

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

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

CONDITIONS

Action 156377

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 156377
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/4/2022

Incident ID	nAPP2229127298
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2229127298
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: EHS ProfessionalSignature: Dale Woodall Date: 2/28/2023email: dale.woodall@dnv.com Telephone: 575-748-1838**OCD Only**

Received by: _____ Date: _____

Incident ID	nAPP2229127298
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/28/2023

email: dale.woodall@dnv.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Confirmation of Sampling Onyx 29 CTB

1 message

Gio PimaOil <gio@pimaoil.com>

Mon, Jan 23, 2023 at 1:25 PM

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

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Onyx 29 CTB 1 for incident NAPP2229127298. Pima personnel are scheduled to be on site for this sampling event at approximately 9:00 a.m. on Thursday, January 26, 2023. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
ONYX PWU 29 CTB 1**

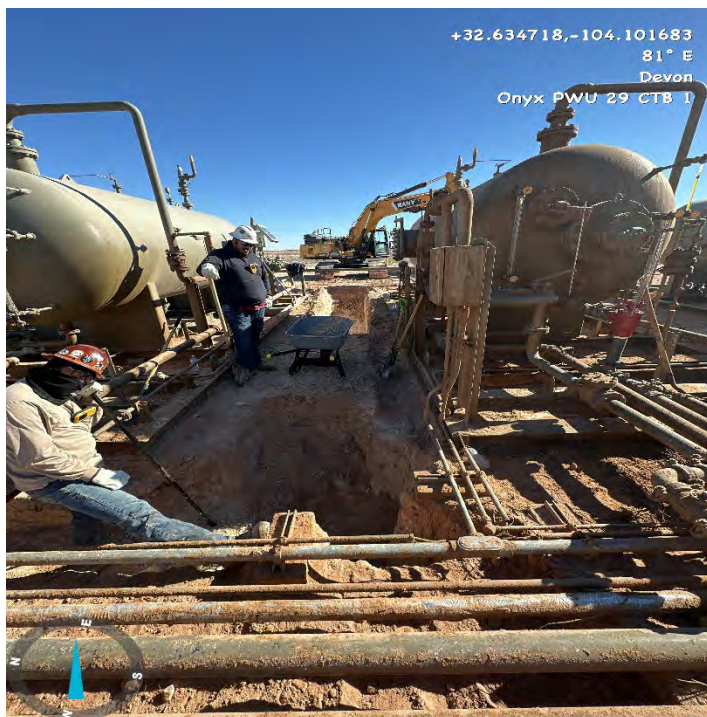
Site Assessment







Excavation

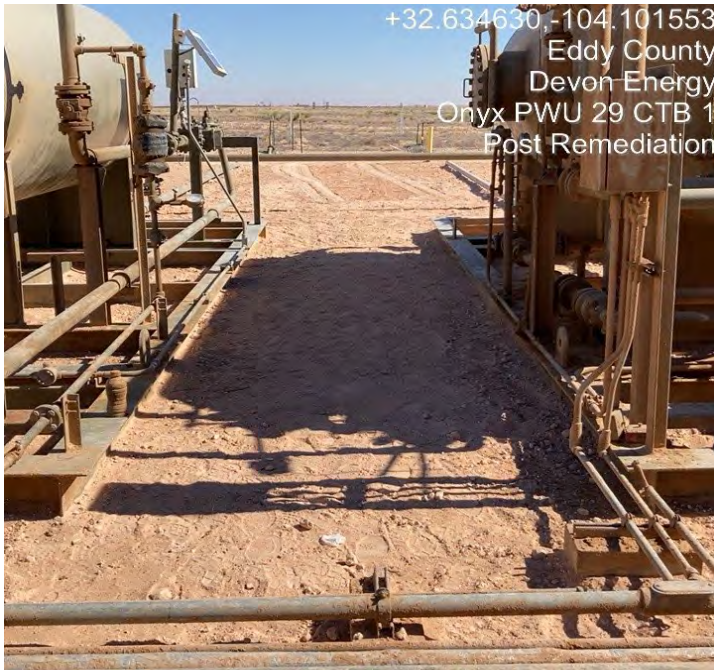


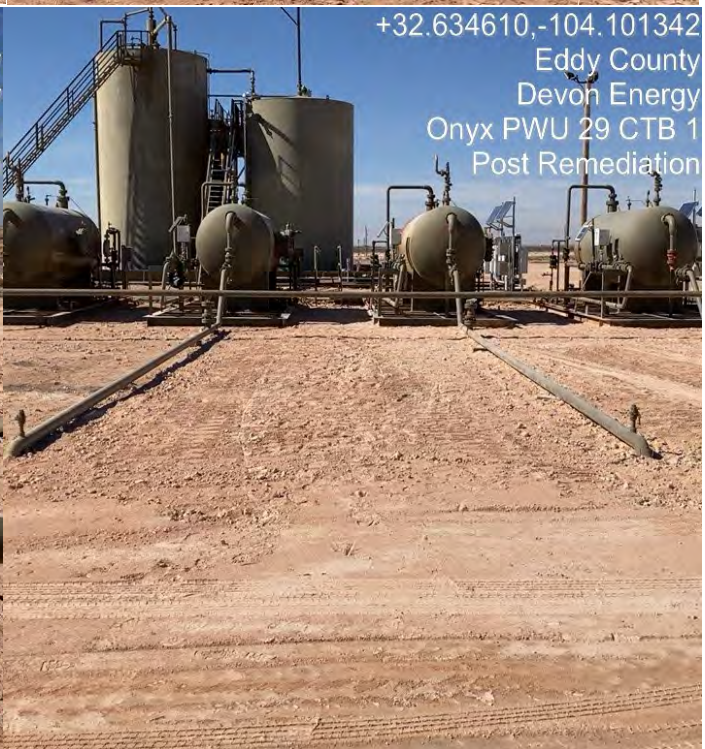
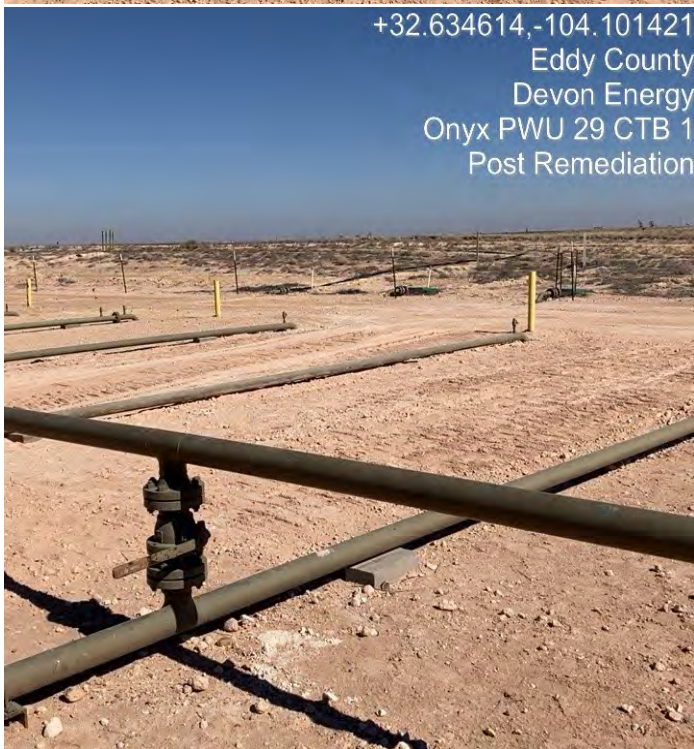




Post Excavation









Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Onyx PWU 29 CTB1

Work Order: E210171

Job Number: 01058-0007

Received: 10/26/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/1/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/1/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Onyx PWU 29 CTB1
Workorder: E210171
Date Received: 10/26/2022 10:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/26/2022 10:20:00AM, under the Project Name: Onyx PWU 29 CTB1.

The analytical test results summarized in this report with the Project Name: Onyx PWU 29 CTB1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 12:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 2'	E210171-01A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S1 3'	E210171-02A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S1 4'	E210171-03A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S1 5'	E210171-04A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S2 2'	E210171-05A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S2 3'	E210171-06A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S2 4'	E210171-07A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S2 5'	E210171-08A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S3 2'	E210171-09A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S3 3'	E210171-10A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S3 4'	E210171-11A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S3 5'	E210171-12A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S4 2'	E210171-13A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S4 3'	E210171-14A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S4 4'	E210171-15A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S5 2'	E210171-16A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S5 3'	E210171-17A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S5 4'	E210171-18A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
S5 5'	E210171-19A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW1	E210171-20A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW2	E210171-21A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW3	E210171-22A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW4	E210171-23A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW5	E210171-24A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW6	E210171-25A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW7	E210171-26A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW8	E210171-27A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
SW9	E210171-28A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.
BG1	E210171-29A	Soil	10/25/22	10/26/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SI 2'

E210171-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.2 %	70-130		10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
Surrogate: n-Nonane	86.9 %	50-200		10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	7280	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S1 3'

E210171-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	90.0	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	1950	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S1 4'

E210171-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S1 5'

E210171-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S2 2'

E210171-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	27.5	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	1710	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S2 3'

E210171-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	51.9	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		95.4 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	623	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S2 4'

E210171-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		99.8 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S2 5'

E210171-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		99.6 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S3 2'

E210171-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	264	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	87.1	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	463	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S3 3'

E210171-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	103	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		92.5 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	238	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S3 4'

E210171-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/28/22	
<i>Surrogate: n-Nonane</i>						
		92.8 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S3 5'

E210171-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		93.5 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S4 2'

E210171-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/27/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/27/22	
Toluene	ND	0.0250	1	10/27/22	10/27/22	
o-Xylene	ND	0.0250	1	10/27/22	10/27/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/27/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	10/27/22	10/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	178	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	68.6	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		86.3 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	383	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S4 3'

E210171-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		91.8 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S4 4'

E210171-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S5 2'

E210171-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2244038	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2244038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2244033	
Diesel Range Organics (C10-C28)	198	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	53.6	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		96.0 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2244039	
Chloride	1390	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S5 3'

E210171-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	96.6	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		93.6 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	839	400	20	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S5 4'

E210171-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	200	10	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

S5 5'

E210171-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2244038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244039
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW1

E210171-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2244038	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2244038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2244033	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/29/22	
<i>Surrogate: n-Nonane</i>		96.4 %	50-200	10/27/22	10/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2244039	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW2

E210171-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		74.5 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW3

E210171-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		79.3 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW4

E210171-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
	81.4 %	50-200		10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW5

E210171-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		82.4 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW6

E210171-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		72.8 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW7

E210171-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>		74.3 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW8

E210171-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		86.3 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

SW9

E210171-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.0 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		94.8 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:50:18PM

BG1

E210171-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Benzene	ND	0.0250	1	10/27/22	10/28/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/28/22	
Toluene	ND	0.0250	1	10/27/22	10/28/22	
o-Xylene	ND	0.0250	1	10/27/22	10/28/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/28/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2244037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/27/22	
<i>Surrogate: n-Nonane</i>						
		91.9 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244043	
Chloride	ND	20.0	1	10/27/22	10/28/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244038-BLK1)

Prepared: 10/27/22 Analyzed: 10/27/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			

LCS (2244038-BS1)

Prepared: 10/27/22 Analyzed: 10/27/22

Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.57	0.0500	10.0		95.7	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130			

Matrix Spike (2244038-MS1)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/27/22

Benzene	4.89	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	61-133			
Toluene	5.00	0.0250	5.00	ND	100	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			

Matrix Spike Dup (2244038-MSD1)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/27/22

Benzene	4.88	0.0250	5.00	ND	97.5	54-133	0.384	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	0.910	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	0.621	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	0.438	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	0.765	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	0.358	20	
Surrogate: 4-Bromochlorobenzene-PID	8.61		8.00		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Volatile Organics by EPA 8021B

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
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Blank (2244047-BLK1)

Prepared: 10/27/22 Analyzed: 10/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.38		8.00		105	70-130			

LCS (2244047-BS1)

Prepared: 10/27/22 Analyzed: 10/28/22

Benzene	5.46	0.0250	5.00		109	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.40	0.0250	5.00		87.9	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.2	0.0250	15.0		87.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

Matrix Spike (2244047-MS1)

Source: E210171-23

Prepared: 10/27/22 Analyzed: 10/28/22

Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	61-133			
Toluene	4.21	0.0250	5.00	ND	84.1	61-130			
o-Xylene	3.98	0.0250	5.00	ND	79.5	63-131			
p,m-Xylene	7.90	0.0500	10.0	ND	79.0	63-131			
Total Xylenes	11.9	0.0250	15.0	ND	79.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

Matrix Spike Dup (2244047-MSD1)

Source: E210171-23

Prepared: 10/27/22 Analyzed: 10/28/22

Benzene	5.37	0.0250	5.00	ND	107	54-133	7.28	20	
Ethylbenzene	4.23	0.0250	5.00	ND	84.6	61-133	8.34	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	7.85	20	
o-Xylene	4.33	0.0250	5.00	ND	86.7	63-131	8.61	20	
p,m-Xylene	8.59	0.0500	10.0	ND	85.9	63-131	8.27	20	
Total Xylenes	12.9	0.0250	15.0	ND	86.1	63-131	8.39	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244038-BLK1)

Prepared: 10/27/22 Analyzed: 10/27/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2244038-BS2)

Prepared: 10/27/22 Analyzed: 10/27/22

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			

Matrix Spike (2244038-MS2)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/27/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2244038-MSD2)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/27/22

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.4	70-130	16.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2244047-BLK1)

Prepared: 10/27/22 Analyzed: 10/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.9	70-130			

LCS (2244047-BS2)

Prepared: 10/27/22 Analyzed: 10/28/22

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.4	70-130			

Matrix Spike (2244047-MS2)

Source: E210171-23

Prepared: 10/27/22 Analyzed: 10/28/22

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.3	70-130			

Matrix Spike Dup (2244047-MSD2)

Source: E210171-23

Prepared: 10/27/22 Analyzed: 10/28/22

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	3.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244033-BLK1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2244033-BS1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	45.3		50.0		90.5	50-200			

Matrix Spike (2244033-MS1)					Source: E210171-10		Prepared: 10/27/22 Analyzed: 10/28/22		
Diesel Range Organics (C10-C28)	347	25.0	250	103	97.6	38-132			
Surrogate: n-Nonane	41.8		50.0		83.7	50-200			

Matrix Spike Dup (2244033-MSD1)					Source: E210171-10		Prepared: 10/27/22 Analyzed: 10/28/22		
Diesel Range Organics (C10-C28)	379	25.0	250	103	110	38-132	8.77	20	
Surrogate: n-Nonane	40.4		50.0		80.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244037-BLK1)

Prepared: 10/27/22 Analyzed: 10/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	37.7		50.0		75.3	50-200			

LCS (2244037-BS1)

Prepared: 10/27/22 Analyzed: 10/27/22

Diesel Range Organics (C10-C28)	166	25.0	250		66.4	38-132			
Surrogate: n-Nonane	38.5		50.0		76.9	50-200			

Matrix Spike (2244037-MS1)

Source: E210181-01

Prepared: 10/27/22 Analyzed: 10/27/22

Diesel Range Organics (C10-C28)	6080	1250	250	6360	NR	38-132			M4
Surrogate: n-Nonane	65.9		50.0		132	50-200			

Matrix Spike Dup (2244037-MSD1)

Source: E210181-01

Prepared: 10/27/22 Analyzed: 10/27/22

Diesel Range Organics (C10-C28)	5990	1250	250	6360	NR	38-132	1.48	20	M4
Surrogate: n-Nonane	63.2		50.0		126	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2244039-BLK1)

Prepared: 10/27/22 Analyzed: 10/28/22

Chloride ND 20.0

LCS (2244039-BS1)

Prepared: 10/27/22 Analyzed: 10/28/22

Chloride 254 20.0 250 101 90-110

Matrix Spike (2244039-MS1)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/28/22

Chloride 6120 400 250 7280 NR 80-120 M5

Matrix Spike Dup (2244039-MSD1)

Source: E210171-01

Prepared: 10/27/22 Analyzed: 10/28/22

Chloride 7520 400 250 7280 97.5 80-120 20.5 20 R3



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:50:18PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2244043-BLK1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Chloride	ND	20.0							
LCS (2244043-BS1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2244043-MS1)					Source: E210171-21		Prepared: 10/27/22 Analyzed: 10/28/22		
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2244043-MSD1)					Source: E210171-21		Prepared: 10/27/22 Analyzed: 10/28/22		
Chloride	249	20.0	250	ND	99.7	80-120	0.862	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 12:50

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



Released to Imaging: 6/30/2023 1:43:12 PM

Received by OCD: 2/28/2023 9:35:56 AM

Client: Pima Environmental Services Project: Onyx P1011 29 CTBI Project Manager: Tom Bynum Address: 5614 N. Livingston Hwy City, State, Zip: Hobbs, NM, 88240 Phone: 505-748-1613 Email: tom@pimaoil.com Report due by:		Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Project # 1-210	Lab Use Only Lab WO# E210171 Job Number 01058-0007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM TCEQ.1005 TX-TPH	TAT 1D 2D 3D Standard X	EPA Program CWA SDWA RCRA State NM CO UT AZ TX X
--	--	---	---	--------------------------------------	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ.1005 TX-TPH	Remarks
6:00	10/25/22	S	1	S1 2'	1							X		
6:05				S1 3'	2									
6:10				S1 4'	3									
6:15				S1 5'	4									
6:20				S2 2'	5									
6:25				S2 3'	6									
6:30				S2 4'	7									
6:35				S2 5'	8									
6:40				S3 2'	9									
6:45				S3 3'	10									

Additional Instructions: Billing: 21086786

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) <i>[Signature]</i>		Date: 10/25/22	Time: 4:15	Received by: (Signature) <i>[Signature]</i>		Date: 10/25/22	Time: 10:20
Relinquished by: (Signature) <i>[Signature]</i>		Date: 10/25/22	Time: 4:15	Received by: (Signature) <i>[Signature]</i>		Date: 10/25/22	Time: 10:20
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			

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

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Oxy PDU 29 CTR1
Project Manager: Tom Bynum
Address: 504 N. Livingston Hwy
City, State, Zip: Tucson, NM, 88740
Phone: 580-748-1613
Email: tom@pima1.com
Report due by:

Attention: Devon Energy
Address:
City, State, Zip
Phone:
Email:

Bill To
Lab WO# F210171
Job Number 9058-0007
Analysis and Method

Project # 1-210

Time	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCED 1005 TX-TPH	Remarks
6:50	10/25/22	S	1	S3 4'	11							X		
6:55				S3 5'	12									
7:00				S4 2'	13									
7:05				S4 3'	14									
7:10				S4 4'	5									
7:15				S5 2'	16									
7:20				S5 3'	17									
7:25				S5 4'	18									
7:30				S5 5'	19									
7:35				S6 1	20									

Additional Instructions:

Bill # : 21086786

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[Signature]	10/25/22	2:00	[Signature]	10/25/22	10:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[Signature]	10/25/22	4:15	[Signature]	10/25/22	10:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[Signature]	10/25/22	4:15	[Signature]	10/25/22	10:30

Container Type: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, O - Other
Lab Use Only
Received on ice: Y N
AVG Temp °C 4
T1 T2 T3

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



envirotech

Client: Pima Environmental Services
 Project: Onyx Well 29 CTB1
 Project Manager: Tom Bynum
 Address: 5614 N. Livingston Hwy
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimacil.com
 Report due by: _____

Bill To
 Attention: Devon Energy
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 Project # 1-210

Lab Use Only
 Lab WO# E210171 Job Number 010580007
 1D 2D 3D Standard X
 Analysis and Method

EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX
 Y

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
7:40	10/25/22	8	1	SW2	21							X		
7:45				SW3	22									
7:50				SW4	23									
7:55				SW5	24									
8:00				SW6	25									
8:05				SW7	26									
8:10				SW8	27									
8:15				SW9	28									

Additional Instructions:

Billing #: 21086786

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>afzandargarden</u>	Date <u>10/25/22</u>	Time	Received by: (Signature) <u>Mark</u>	Date <u>10-25-22</u>	Time <u>2:00 PM</u>	Lab Use Only Received on ice: <u>Y</u> N
Relinquished by: (Signature) <u>afzandargarden</u>	Date <u>10-25-22</u>	Time <u>4:15</u>	Received by: (Signature) <u>afzandargarden</u>	Date <u>10-25-22</u>	Time <u>10:20</u>	T1 T2 T3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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

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

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

Envirotech Analytical Laboratory

Printed: 10/26/2022 2:01:57PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/26/22 10:20	Work Order ID:	E210171
Phone:	(575) 631-6977	Date Logged In:	10/26/22 10:46	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	11/01/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPS**Comments/Resolution**

An additional sample was received that was not on the original COC. A green copy was made with sample (BG1) added as sample #29 per. T. Bynum approval 10/26/2022

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 3

Client: <u>Pima Environmental Services</u> Project: <u>Onyx P1011 29 CTB1</u> Project Manager: <u>TOM BYNUM</u> Address: <u>5164 N. Livingston Hwy</u> City, State, Zip: <u>Holbrook, NM, 88240</u> Phone: <u>505-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon Energy</u> Address: City, State, Zip Phone: Email: Project # <u>1-210</u>					Lab Use Only Lab WO# <u>E210171</u> Job Number <u>01058-0001</u> Analysis and Method DRO/ORO by 8015 GRO/DRQ by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM TCEQ 1005 TX-TPH					TAT 1D 2D 3D Standard <u>X</u> EPA Program CWA SDWA RCRA State NM CO UT AZ TX X				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRQ by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks					
6:00	10/25/22	S	1	S1 2'	1							X							
6:05				S1 3'	2														
6:10				S1 4'	3														
6:15				S1 5'	4														
6:20				S2 2'	5														
6:25				S2 3'	6														
6:30				S2 4'	7														
6:35				S2 5'	8														
6:40				S3 2'	9														
6:45				S3 3'	10														
Additional Instructions: <u>Billing: 21086786</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>2:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>10:20</u>																			
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Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>2:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>10:20</u>																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: Onyx Plu 29 CTB1 Project Manager: Tom Bynum Address: 5614 N. Livingston Hwy City, State, Zip: Tucson, NM, 88240 Phone: 580-748-1613 Email: tom@pimadil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Project # 1-210					Lab Use Only Lab WO# E21017-1 Job Number 0038-0007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM TCEC 1005 TX-TPH					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X										
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
6:50	10/25/22	S	1	S3 4'	11								X							
6:55				S3 5'	12															
7:00				S4 2'	13															
7:05				S4 3'	14															
7:10				S4 4'	15															
7:15				S5 2'	16															
7:20				S5 3'	17															
7:25				S5 4'	18															
7:30				S5 5'	19															
7:35				SW1	20															
Additional Instructions: Billing #: 21086786																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on Ice: Y N T1 T2 T3 AVG Temp °C 4								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
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Project Information

Chain of Custody

Page 3 of 3

Client: <u>Pima Environmental Services</u> Project: <u>Onyx Plot 29 CTB1</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Livingston Hwy</u> City, State, Zip: <u>Holbrook, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaill.com</u> Report due by: _____					Bill To Attention: <u>Devon Energy</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Project #: <u>1-210</u>					Lab Use Only Lab WO#: <u>E21071</u> Job Number: <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDQC - NM TCEQ 1005 TX-TPH					TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDQC - NM	TCEQ 1005 TX-TPH	Remarks				
7:40	10/25/22	S	1	SW2	21							X						
7:45				SW3	22													
7:50				SW4	23													
7:55				SW5	24													
8:00				SW6	25													
8:05				SW7	26													
8:10				SW8	27													
8:15				SW9	28													
—	10/25/22	S	1	BG1	29							X		Sub 10/26/22 per T. Bynum				
Additional Instructions: <u>Billing #: 21086786</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>10:25</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>2:00</u>																		
Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/25/22</u> Time <u>4:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/26/22</u> Time <u>10:20</u>																		
Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____																		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Onyx PWU 29 CTB1

Work Order: E301139

Job Number: 01058-0007

Received: 1/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/31/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Onyx PWU 29 CTB1
Workorder: E301139
Date Received: 1/28/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: Onyx PWU 29 CTB1.

The analytical test results summarized in this report with the Project Name: Onyx PWU 29 CTB1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E301139-01A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS2	E301139-02A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS3	E301139-03A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS4	E301139-04A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS5	E301139-05A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS6	E301139-06A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS7	E301139-07A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS8	E301139-08A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS9	E301139-09A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS10	E301139-10A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS11	E301139-11A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW1	E301139-12A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW2	E301139-13A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW3	E301139-14A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW4	E301139-15A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW5	E301139-16A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW6	E301139-17A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW7	E301139-18A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW8	E301139-19A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW9	E301139-20A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS1

E301139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2304057	
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>	95.3 %	70-130		01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>	99.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2304057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
<i>Surrogate: Bromofluorobenzene</i>	95.3 %	70-130		01/27/23	01/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.5 %	70-130		01/27/23	01/28/23	
<i>Surrogate: Toluene-d8</i>	99.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2304060	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>	100 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305003	
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS2

E301139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.0 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.0 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	98.9 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS3

E301139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	97.5 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS4

E301139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.7 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.7 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	100 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS5

E301139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.6 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.6 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.5 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS6

E301139-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.6 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.6 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	100 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS7

E301139-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.3 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.3 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.8 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS8

E301139-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.8 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS9

E301139-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	99.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	99.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	101 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS10

E301139-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	98.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	102 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CS11

E301139-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.8 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.8 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.4 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW1

E301139-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.4 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.4 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	100 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW2

E301139-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	101 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW3

E301139-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	103 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW4

E301139-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.9 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	102 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW5

E301139-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	102 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW6

E301139-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.5 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	105 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW7

E301139-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.4 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	96.4 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW8

E301139-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:09:46PM

CSW9

E301139-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.2 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304057
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	95.2 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	97.2 %	70-130		01/27/23	01/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	103 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305003
Chloride	ND	20.0	1	01/30/23	01/30/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:09:46PM

Volatile Organic Compounds by EPA 8260B

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
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Blank (2304057-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2304057-BS1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.41	0.0250	2.50		96.2	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.1	70-130			
Toluene	2.39	0.0250	2.50		95.5	70-130			
o-Xylene	2.49	0.0250	2.50		99.5	70-130			
p,m-Xylene	4.95	0.0500	5.00		99.0	70-130			
Total Xylenes	7.44	0.0250	7.50		99.2	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS Dup (2304057-BSD1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.29	0.0250	2.50		91.8	70-130	4.70	23	
Ethylbenzene	2.30	0.0250	2.50		92.2	70-130	4.18	27	
Toluene	2.30	0.0250	2.50		92.2	70-130	3.54	24	
o-Xylene	2.38	0.0250	2.50		95.2	70-130	4.42	27	
p,m-Xylene	4.73	0.0500	5.00		94.7	70-130	4.47	27	
Total Xylenes	7.12	0.0250	7.50		94.9	70-130	4.45	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported: 1/31/2023 3:09:46PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2304057-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2304057-BS2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

LCS Dup (2304057-BSD2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130	0.490	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:09:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304060-BLK1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS (2304060-BS1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			

Matrix Spike (2304060-MS1)

Source: E301139-05

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			

Matrix Spike Dup (2304060-MSD1)

Source: E301139-05

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	3.67	20	
Surrogate: n-Nonane	46.2		50.0		92.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:09:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304061-BLK1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2304061-BS1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike (2304061-MS1)					Source: E301140-10		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

Matrix Spike Dup (2304061-MSD1)					Source: E301140-10		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.717	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:09:46PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2305003-BLK1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	ND	20.0							
LCS (2305003-BS1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	254	20.0	250		101	90-110			
LCS Dup (2305003-BSD1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	255	20.0	250		102	90-110	0.457	20	

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

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:09

- 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.





Envirotech Analytical Laboratory

Printed: 1/30/2023 8:30:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/28/23 07:30	Work Order ID:	E301139
Phone:	(575) 631-6977	Date Logged In:	01/27/23 13:31	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	01/30/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Onyx PWU 29 CTB1 has been separated into 2 reports due to sample volume. Workorders are as follows: E301139 & E301140.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Onyx PWU 29 CTB1

Work Order: E301140

Job Number: 01058-0007

Received: 1/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/31/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Onyx PWU 29 CTB1
Workorder: E301140
Date Received: 1/28/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: Onyx PWU 29 CTB1.

The analytical test results summarized in this report with the Project Name: Onyx PWU 29 CTB1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW10	E301140-01A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW11	E301140-02A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW12	E301140-03A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW13	E301140-04A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW14	E301140-05A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW15	E301140-06A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW16	E301140-07A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW17	E301140-08A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW18	E301140-09A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW19	E301140-10A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW20	E301140-11A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW21	E301140-12A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW22	E301140-13A	Solid	01/26/23	01/28/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW10

E301140-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>	96.1 %	70-130		01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.2 %	70-130		01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
<i>Surrogate: Bromofluorobenzene</i>	96.1 %	70-130		01/27/23	01/30/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.2 %	70-130		01/27/23	01/30/23	
<i>Surrogate: Toluene-d8</i>	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
<i>Surrogate: n-Nonane</i>	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW11

E301140-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	90.2 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	104 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW12

E301140-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	104 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW13

E301140-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	105 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	105 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW14

E301140-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	91.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	91.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	105 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW15

E301140-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	105 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW16

E301140-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	107 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW17

E301140-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	94.1 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	94.1 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW18

E301140-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	105 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW19

E301140-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	106 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW20

E301140-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	104 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW21

E301140-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	104 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



Sample Data

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

Project Name: Onyx PWU 29 CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2023 3:52:31PM

CSW22

E301140-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	90.8 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	90.8 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304061
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	107 %	50-200		01/28/23	01/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported: 1/31/2023 3:52:31PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2304056-BS1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.82	0.0250	2.50		113	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.22	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS Dup (2304056-BSD1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.74	0.0250	2.50		109	70-130	3.10	23	
Ethylbenzene	2.83	0.0250	2.50		113	70-130	5.55	27	
Toluene	2.89	0.0250	2.50		115	70-130	5.68	24	
o-Xylene	2.97	0.0250	2.50		119	70-130	5.32	27	
p,m-Xylene	5.70	0.0500	5.00		114	70-130	5.41	27	
Total Xylenes	8.68	0.0250	7.50		116	70-130	5.38	27	
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported: 1/31/2023 3:52:31PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2304056-BS2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2304056-BSD2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	58.2	20.0	50.0		116	70-130	6.39	20	
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:52:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304061-BLK1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2304061-BS1)

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike (2304061-MS1)

Source: E301140-10

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

Matrix Spike Dup (2304061-MSD1)

Source: E301140-10

Prepared: 01/28/23 Analyzed: 01/29/23

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.717	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:52:31PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2305002-BLK1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	ND	20.0							
LCS (2305002-BS1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2305002-BSD1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	254	20.0	250		101	90-110	1.35	20	

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

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Onyx PWU 29 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:52

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

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

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



Project Information

Chain of Custody

Page 3 of 4

Client: Pima Environmental Services Project: <u>Onyx Pwll 2907B1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____ Pima Project # <u>1-210</u>					Lab Use Only Lab WO# <u>E 301140</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ BGDOC NM _____ BGDOC TX _____					TAT 1D <input checked="" type="checkbox"/> 2D _____ 3D _____ Standard _____				EPA Program CWA _____ SDWA _____ RCRA _____ State NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX _____	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
11:40	1/26/23	S	1	CSW10	1							<input checked="" type="checkbox"/>								
11:45				CSW11	2															
11:50				CSW12	3															
11:55				CSW13	4															
12:00				CSW14	5															
12:05				CSW15	6															
12:10				CSW16	7															
12:15				CSW17	8															
12:20				CSW18	9															
12:25				CSW19	10															
Additional Instructions: Bill to Devon: 21086786																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Adriana Benardiz</u>																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature) <u>AS</u>		Date <u>1-27-23</u>		Time <u>1140</u>		Received by: (Signature) <u>Michelle Cuyler</u>		Date <u>1-27-23</u>		Time <u>1145</u>		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N								
Relinquished by: (Signature) <u>Michelle Cuyler</u>		Date <u>1-27-23</u>		Time <u>2100</u>		Received by: (Signature) <u>Tom Bynum</u>		Date <u>01/28/23</u>		Time <u>7:30</u>		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		AVG Temp °C <u>4.0</u>								
Sample Matrix: <u>S</u> - Solid, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: <u>g</u> - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

envirotech



Envirotech Analytical Laboratory

Printed: 1/30/2023 8:42:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/28/23 07:30	Work Order ID:	E301140
Phone:	(575) 631-6977	Date Logged In:	01/27/23 13:36	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	01/30/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Onyx PWU 29 CTB1 has been separated into 2 reports due to sample volume. Workorders are as follows: E301139 & E301140.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 191369

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 191369
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2229127298 ONYX PWU 29 CTB 1, thank you. This closure is approved.	6/30/2023