



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

November 10, 2022

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

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

Re: Site Assessment, Remediation, and Closure Report
Cedar 11 ST 1H CTB
API No. 30-015-42737
GPS: Latitude 32.490634 Longitude -104.168742
UL M, Sec. 11, T21S, R27E
Eddy County, NM
NMOCD Ref. No. NCE2002743791

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Cedar 11 ST 1H CTB (Cedar). The initial C-141 was submitted on October 9, 2019 (Appendix C). This incident was assigned Incident ID NCE2002743791 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cedar is located approximately five (5) miles Northeast of Carlsbad, NM. This spill site is in Unit M, Section 11, Township 21S, Range 27E, Latitude 32.490634 Longitude -104.168742, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. May locally include uppermost Eolian and piedmont deposits. The soil in this area is made up of Simona-Bippus 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 Cedar (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 120 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 152 feet BGS. The closest waterway Playa located approximately 14.43 miles to the Northwest 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

NCE2002743791: On October 5, 2019, Poly line malfunction causing fluid release in the pasture. The released fluids were calculated to be approximately 130 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 10 bbls of total fluid from the impacted area.

Site Assessment and Soil Sampling Results

On October 3, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

10-3-22 Soil Sample Results

NMOC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')									
DEVON ENERGY - CEDAR 11 ST #1H									
NM Approved Laboratory Results									
Sample ID	Date Sampled	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	10/3/2022	1'	ND	ND	ND	ND	ND	ND	40.3
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	30.2
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-2	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	37.2
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-3	10/3/2022	1'	ND	ND	ND	ND	ND	ND	25.9
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	38.1
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-4	10/3/2022	1'	ND	ND	ND	ND	ND	ND	25.3
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	22.9
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-5	10/3/2022	1'	ND	ND	ND	ND	ND	ND	30.4
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	28.4
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-6	10/3/2022	1'	ND	ND	ND	ND	ND	ND	30.9
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	34.9
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-7	10/3/2022	1'	ND	ND	ND	ND	ND	ND	33.2
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	34.6
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	23.6
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	24
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-8	10/3/2022	1'	ND	ND	ND	ND	ND	ND	31.5
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	30.6
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-9	10/3/2022	1'	ND	ND	ND	ND	ND	ND	37.6
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	27.2
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-10	10/3/2022	1'	ND	ND	ND	ND	ND	ND	21.9
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	28.8
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-11	10/3/2022	1'	ND	ND	ND	ND	ND	ND	36.8
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	22.8
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-12	10/3/2022	1'	ND	ND	ND	ND	ND	ND	31.7
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	33.8
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-13	10/3/2022	1'	ND	ND	ND	ND	ND	ND	36.9
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	31.4
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
S-14	10/3/2022	1'	ND	ND	ND	ND	ND	ND	32
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	30.7
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND

10-3-22 Soil Sample Results

S-15	10/3/2022	1'	ND	ND	ND	ND	ND	ND	29.9
	10/3/2022	2'	ND	ND	ND	ND	ND	ND	25.3
	10/24/2022	3'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	4'	ND	ND	ND	ND	ND	ND	26.7
	10/24/2022	5'	ND	ND	ND	ND	ND	ND	ND
	10/24/2022	6'	ND	ND	ND	ND	ND	ND	ND
SW 1	10/3/2022	1'	ND	ND	ND	ND	ND	ND	16
SW 2	10/3/2022	1'	ND	ND	ND	ND	ND	ND	80
SW 3	10/3/2022	1'	ND	ND	ND	ND	ND	ND	32
SW 4	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 5	10/3/2022	1'	ND	ND	ND	ND	ND	ND	35.9
SW 6	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 7	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 8	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 9	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 10	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 11	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 12	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 13	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 14	10/3/2022	1'	ND	ND	ND	ND	ND	ND	ND
SW 15	10/3/2022	2'	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

Based on the soil sample results, the contamination levels are already less than the regulatory limits of the most stringent criteria in Table 1 of NMAC 19.15.29.12.

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NCE2002743791 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

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



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Figures:

1-Location Map

2-Topographic
Map


3-Karst Map

4-Site Map

Cedar 11 State 1H CTB


Devon Energy
API: 30-015-42734
Eddy County, NM
Location Map

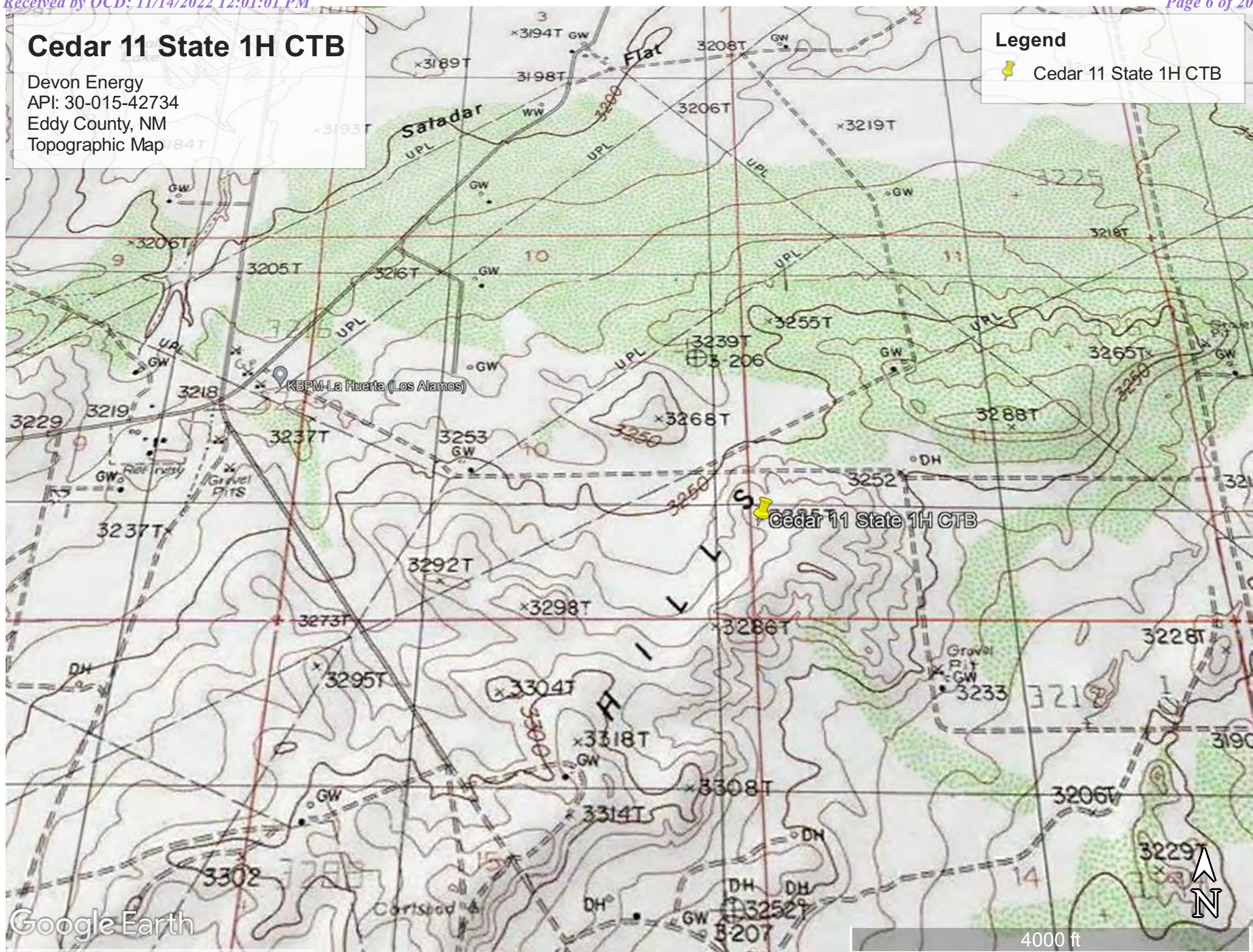
Legend

 Cedar 11 State 1H CTB



Devon Energy
API: 30-015-42734
Eddy County, NM
Topographic Map





 Cedar 11 State 1H CTB



Cedar 11 State 1H CTB

Devon Energy
API: 30-015-42734
Eddy County, NM
Karst Map

Legend

-  Cedar 11 state 1H CTB
-  High Karst
-  Low Karst
-  Medium Karst

32.490634, -104.168742

Avalon

Carlsbad North

Google Earth






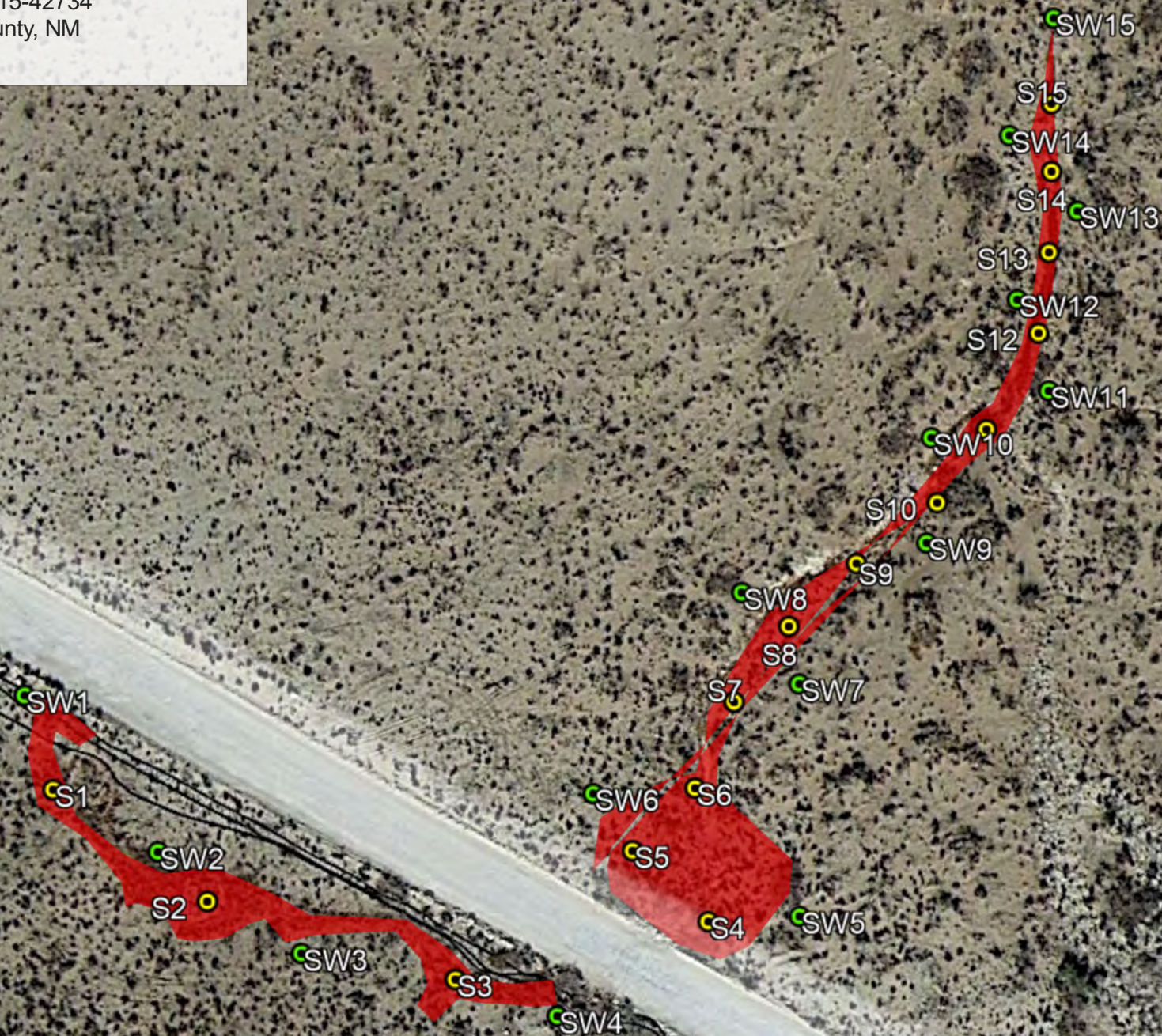
2 mi

Cedar 11 State 1H

Devon Energy
API: 30-015-42734
Eddy County, NM
Site Map

Legend

-  Samples
-  Sidewalls
-  Spill Area



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
C_01339		CUB	ED	1	4	09	21S	27E		575842	3595353*		771	425	120 305
C_03690 POD1		C	ED	4	1	4	10	21S	27E	577482	3595179		985	200	
C_01142		C	ED	3	1	4	03	21S	27E	577358	3596873*		1511	100	
C_01330		C	ED	3	3	3	09	21S	27E	574941	3594849*		1793	92	80 12
C_02907		C	ED	3	2	1	03	21S	27E	576959	3597669*		2126	52	14 38
C_00466	C	CUB	ED	3	3	1	14	21S	27E	578173	3594066*		2194	538	
C_00465	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*		2279		
C_02482		C	ED	3	4	08	21S	27E		574236	3594942*		2428	287	185 102
C_00370	C	CUB	ED	4	4	15	21S	27E		577874	3593350*		2574		
C_01333		C	ED	1	1	4	05	21S	27E	574128	3597045*		2858	400	350 50
C_00473	C	CUB	ED	3	2	14	21S	27E		579087	3594177*		2870	562	
C_00469	C	CUB	ED	1	4	02	21S	27E		579078	3596994*		2871	767	
C_03958 POD1		C	ED	4	2	1	17	21S	27E	573852	3594378		2980	126	95 31
Average Depth to Water:														140 feet	
Minimum Depth:														14 feet	
Maximum Depth:														350 feet	

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 576580.6

Northing (Y): 3595576.211

Radius: 3000

*UTM location was derived from PLSS - see Help

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



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

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- 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 =

- 324746104025001

Minimum number of levels = 1

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

USGS 324746104025001 17S.29E.35.121443

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°47'46", Longitude 104°02'50" NAD27

Land-surface elevation 3,553 feet above NAVD88

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

This well is completed in the San Andres Limestone (313SADR) local aquifer.

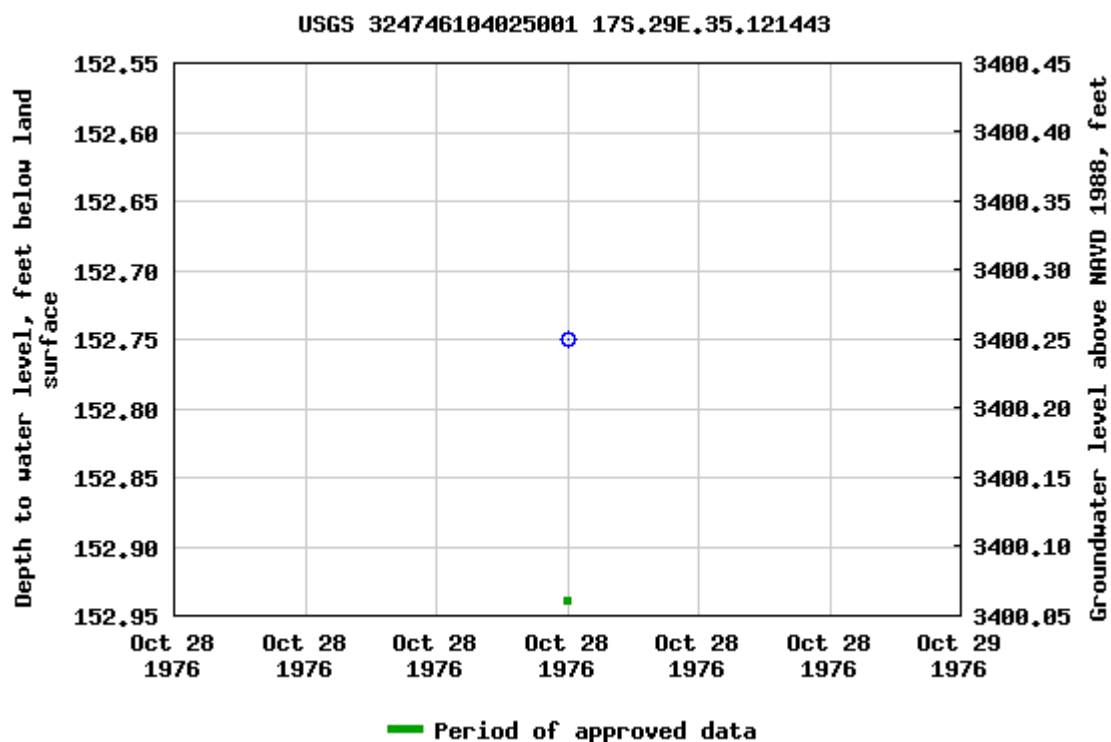
Output formats

[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.

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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: 2022-10-24 14:56:20 EDT

0.57 0.5 nadww02

Cedar 11 State 1H CTB

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

Legend

-  4 Miles
-  Cedar 11 State 1H CTB





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x

Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent

Bippus and similar soils: 30 percent

Minor components: 15 percent

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

Description of Simona

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Natural drainage class: Well drained

Runoff class: Very 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 in profile: 15 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

Ecological site: Shallow Sandy (R042XC002NM)
Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam
H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: Bottomland (R042XC017NM)
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent
Ecological site: Shallow Sandy (R042XC002NM)
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: Bottomland (R042XC017NM)

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

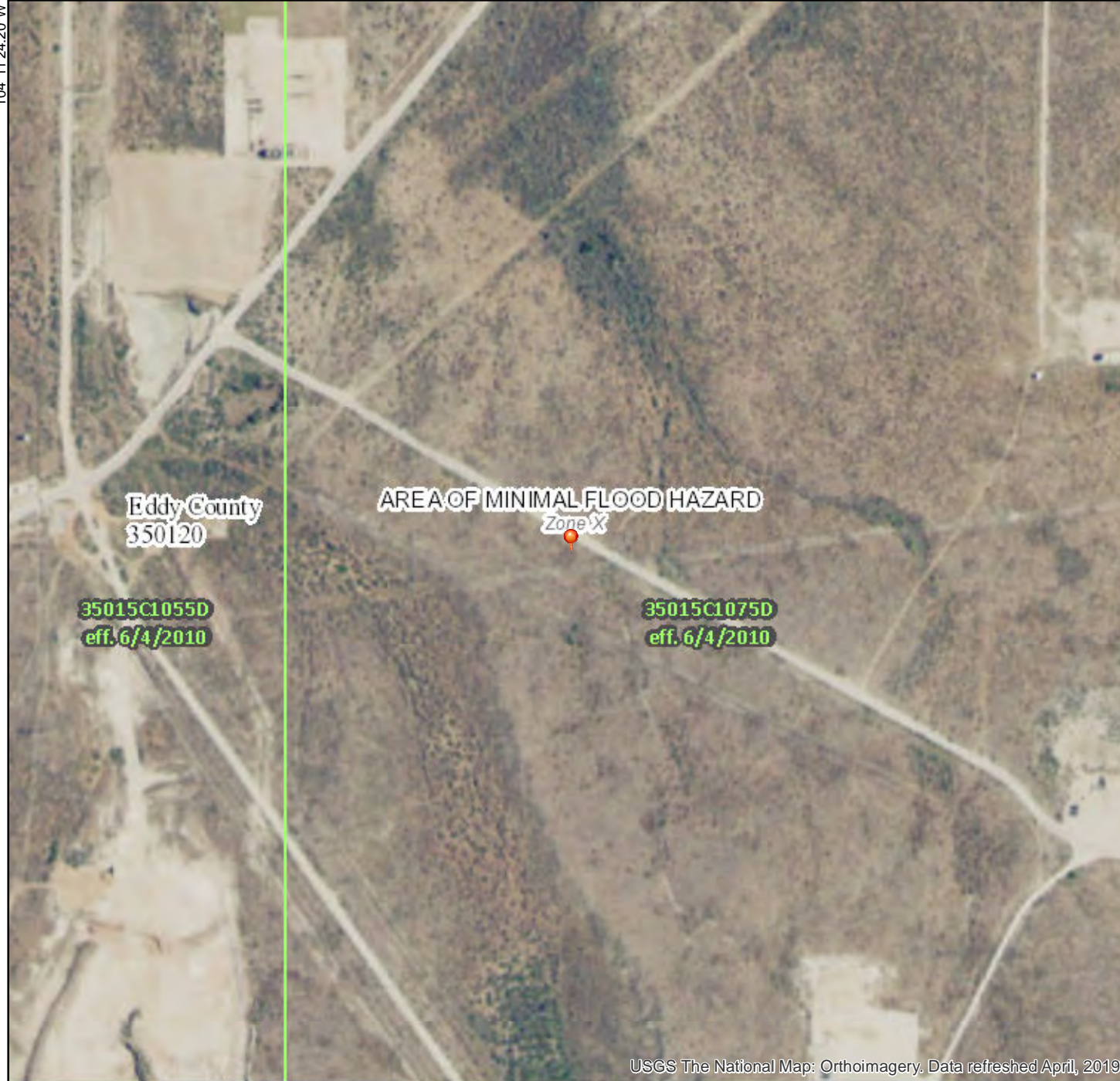
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 15, Sep 15, 2019

National Flood Hazard Layer FIRMette



32°29'56.50"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 6/9/2020 at 11:41:14 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

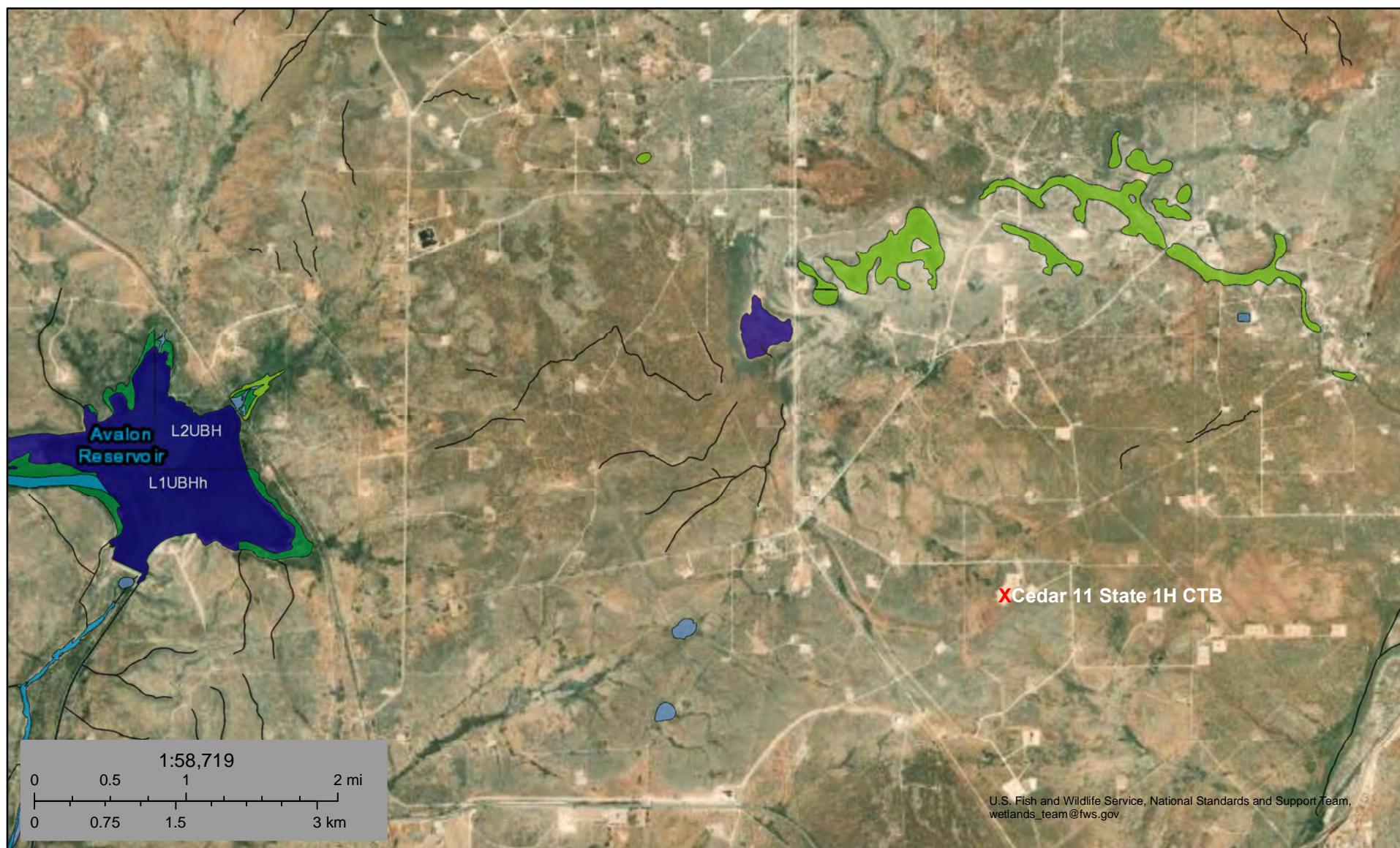
USGS The National Map: Orthoimagery, Data refreshed April, 2019.

32°29'26.15"N

0 250 500 1,000 1,500 2,000 Feet 1:6,000



Wetlands Map



November 10, 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	
District RP	
Facility ID	
Application ID	

I6HYY-191126-C-1410

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<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: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NCE2002743791
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>120</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	NCE2002743791
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: 11/14/2022email: dale.woodall@dm.com Telephone: 575-748-1838**OCD Only**

Received by: _____ Date: _____

Incident ID	NCE2002743791
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: 11/14/2022

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

OCD Only

Received by: OCD Date: 11/14/2022

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

Closure Approved by: Ashley Maxwell Date: 2/13/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
CEDAR 11 STATE 1H CTB**







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: Cedar 11 ST 1H CTB

Work Order: E210018

Job Number: 01058-0007

Received: 10/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/11/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/11/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Cedar 11 ST 1H CTB
Workorder: E210018
Date Received: 10/5/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/5/2022 10:30:00AM, under the Project Name: Cedar 11 ST 1H CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 ST 1H CTB 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:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/22 15:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E210018-01A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-2	E210018-02A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-3	E210018-03A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-4	E210018-04A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-5	E210018-05A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-6	E210018-06A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-7	E210018-07A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-8	E210018-08A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-9	E210018-09A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-10	E210018-10A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-11	E210018-11A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-12	E210018-12A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-13	E210018-13A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-14	E210018-14A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
SW-15	E210018-15A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S1-1'	E210018-16A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S1-2'	E210018-17A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S2-1'	E210018-18A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S2-2'	E210018-19A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S3-1'	E210018-20A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-1

E210018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-2

E210018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-3

E210018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	118 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-4

E210018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	117 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-5

E210018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	95.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	95.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	115 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	35.9	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-6

E210018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	115 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-7

E210018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	113 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-8

E210018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
Surrogate: n-Nonane	119 %	50-200		10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-9

E210018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	119 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-10

E210018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.0 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-11

E210018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.8 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	96.8 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-12

E210018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.7 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	117 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-13

E210018-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-14

E210018-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	119 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

SW-15

E210018-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.0 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	97.0 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	118 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

S1-1'

E210018-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	98.4 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	117 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	40.3	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

S1-2'

E210018-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	93.2 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	116 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	30.2	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

S2-1'

E210018-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	91.7 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
Surrogate: Bromofluorobenzene	91.7 %	70-130		10/05/22	10/10/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/05/22	10/10/22	
Surrogate: Toluene-d8	94.9 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	118 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	ND	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

S2-2'

E210018-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/05/22	10/11/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/05/22	10/11/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/05/22	10/11/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/05/22	10/11/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	118 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	37.2	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 3:22:18PM

S3-1'

E210018-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/05/22	10/11/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/05/22	10/11/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241073
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/05/22	10/11/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/05/22	10/11/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241081
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
Surrogate: n-Nonane	119 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241088
Chloride	25.9	20.0	1	10/06/22	10/10/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 3:22:18PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2241073-BLK1)

Prepared: 10/05/22 Analyzed: 10/10/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2241073-BS1)

Prepared: 10/05/22 Analyzed: 10/10/22

Benzene	1.95	0.0250	2.50		78.1	70-130			
Ethylbenzene	1.86	0.0250	2.50		74.4	70-130			
Toluene	1.87	0.0250	2.50		74.6	70-130			
o-Xylene	1.89	0.0250	2.50		75.5	70-130			
p,m-Xylene	3.68	0.0500	5.00		73.7	70-130			
Total Xylenes	5.57	0.0250	7.50		74.3	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			

LCS Dup (2241073-BSD1)

Prepared: 10/05/22 Analyzed: 10/10/22

Benzene	1.99	0.0250	2.50		79.6	70-130	1.98	23	
Ethylbenzene	1.86	0.0250	2.50		74.4	70-130	0.0269	27	
Toluene	1.86	0.0250	2.50		74.3	70-130	0.403	24	
o-Xylene	1.87	0.0250	2.50		74.8	70-130	0.931	27	
p,m-Xylene	3.68	0.0500	5.00		73.7	70-130	0.0136	27	
Total Xylenes	5.55	0.0250	7.50		74.1	70-130	0.324	27	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported: 10/11/2022 3:22:18PM
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 (2241073-BLK1)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2241073-BS2)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.3	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

LCS Dup (2241073-BSD2)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.1	70-130	4.38	20	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 3:22:18PM

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 (2241081-BLK1)

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.8		50.0		116	50-200			

LCS (2241081-BS1)

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			

Matrix Spike (2241081-MS1)

Source: E210018-13

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	38-132			
Surrogate: n-Nonane	57.5		50.0		115	50-200			

Matrix Spike Dup (2241081-MSD1)

Source: E210018-13

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	38-132	0.802	20	
Surrogate: n-Nonane	58.6		50.0		117	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 3:22:18PM

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 (2241088-BLK1)					Prepared: 10/06/22 Analyzed: 10/10/22				
Chloride	ND	20.0							
LCS (2241088-BS1)					Prepared: 10/06/22 Analyzed: 10/10/22				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2241088-MS1)					Source: E210018-01		Prepared: 10/06/22 Analyzed: 10/10/22		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2241088-MSD1)					Source: E210018-01		Prepared: 10/06/22 Analyzed: 10/10/22		
Chloride	263	20.0	250	ND	105	80-120	0.283	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:	Cedar 11 ST 1H CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/22 15:22

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

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

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



Project Information

Chain of Custody

Page 1 of 5

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Cedar 11 STA CTB</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E210018</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
Phone: 580-748-1613					Email:		Chloride 300.0									
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-2</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
8:00	10/3/22	S	1	SW-1	1											
8:05				SW-2	2											
8:10				SW-3	3											
8:15				SW-4	4											
8:20				SW-5	5											
8:25				SW-6	6											
8:30				SW-7	7											
8:35				SW-8	8											
8:40				SW-9	9											
8:45				SW-10	10											
Additional Instructions: <u>Bit To Devon Energy: 20836327</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only				
<u>Archie Rogers</u>		10-4-22		2:30		<u>Archie Rogers</u>		10-4-22		3:00		Received on ice: <u>Y</u> N				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3				
<u>Archie Rogers</u>		10-4-22		2:15		<u>Archie Rogers</u>		10/5/22		10:30						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>				
												Container Type: <u>g - glass</u> 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 5

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Cedar II ST 1H CTB</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E210018</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>1-2</u>											
Report due by:																
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		BDOC NM	BDOC TX		
8:50	10/3/22	S	1	SW-11	11								X			
8:55				SW-12	12											
9:00				SW-13	13											
9:05				SW-14	14											
9:10				SW-15	15											
9:15				S1-1'	16											
9:20				S1-2'	17											
9:25				S2-1'	18											
9:30				S2-2'	19											
9:35				S3-1'	20											
Additional Instructions: <u>Bill To Devon Energy: 20836327</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Nech Rogers</u>		10-4-22	2:30	<u>Nech Rogers</u>		10-4-22	2:00	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Nech Rogers</u>		10-4-22	2:15	<u>Carla Chate</u>		10/5/22	10:30									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
								Container Type: <u>g - glass</u> 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: 10/5/2022 11:03:27AM

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:	10/05/22 10:30	Work Order ID:	E210018
Phone:	(575) 631-6977	Date Logged In:	10/04/22 17:23	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/11/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Due to sample volume, Project Cedar 11 ST 1H CTB has been split into multiple reports/workorders. WO#'s are as follows: E210018 & E210019.

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: Cedar 11 ST 1H CTB

Work Order: E210019

Job Number: 01058-0007

Received: 10/5/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/11/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/11/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Cedar 11 ST 1H CTB
Workorder: E210019
Date Received: 10/5/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/5/2022 10:30:00AM, under the Project Name: Cedar 11 ST 1H CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 ST 1H CTB 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

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Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported: 10/11/22 16:59
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S3-2'	E210019-01A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S4-1'	E210019-02A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S4-2'	E210019-03A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S5-1'	E210019-04A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S5-2'	E210019-05A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S6-1'	E210019-06A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S6-2'	E210019-07A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S7-1'	E210019-08A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S7-2'	E210019-09A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S8-1'	E210019-10A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S8-2'	E210019-11A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S9-1'	E210019-12A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S9-2'	E210019-13A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S10-1'	E210019-14A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S10-2'	E210019-15A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S11-1'	E210019-16A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S11-2'	E210019-17A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S12-1'	E210019-18A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S12-2'	E210019-19A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S13-1'	E210019-20A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S13-2'	E210019-21A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S14-1'	E210019-22A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S14-2'	E210019-23A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S15-1'	E210019-24A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.
S15-2'	E210019-25A	Soil	10/03/22	10/05/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S3-2'

E210019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241074	
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241082	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241089	
Chloride	38.1	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S4-1'

E210019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.9 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	25.3	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S4-2'

E210019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	22.9	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S5-1'

E210019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	30.4	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S5-2'

E210019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/10/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/10/22	
Toluene	ND	0.0250	1	10/05/22	10/10/22	
o-Xylene	ND	0.0250	1	10/05/22	10/10/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/10/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/05/22	10/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	28.4	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S6-1'

E210019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	30.9	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S6-2'

E210019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	34.9	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S7-1'

E210019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	33.2	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S7-2'

E210019-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	34.6	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S8-1'

E210019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	31.5	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S8-2'

E210019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	30.6	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S9-1'

E210019-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	37.6	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S9-2'

E210019-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	27.2	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S10-1'

E210019-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	21.9	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S10-2'

E210019-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	28.8	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S11-1'

E210019-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	36.8	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S11-2'

E210019-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	22.8	20.0	1	10/06/22	10/10/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S12-1'

E210019-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	31.7	20.0	1	10/06/22	10/11/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S12-2'

E210019-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	33.8	20.0	1	10/06/22	10/11/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S13-1'

E210019-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Benzene	ND	0.0250	1	10/05/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/11/22	
Toluene	ND	0.0250	1	10/05/22	10/11/22	
o-Xylene	ND	0.0250	1	10/05/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241074
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	10/05/22	10/11/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241082
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>						
		125 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241089
Chloride	36.9	20.0	1	10/06/22	10/11/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S13-2'

E210019-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.7 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241091
Chloride	31.4	20.0	1	10/06/22	10/08/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S14-1'

E210019-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241091
Chloride	32.0	20.0	1	10/06/22	10/08/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S14-2'

E210019-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241075	
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.0 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241080	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241091	
Chloride	30.7	20.0	1	10/06/22	10/08/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S15-1'

E210019-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		125 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241091
Chloride	29.9	20.0	1	10/06/22	10/08/22	



Sample Data

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

Project Name: Cedar 11 ST 1H CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/11/2022 4:59:55PM

S15-2'

E210019-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Benzene	ND	0.0250	1	10/05/22	10/08/22	
Ethylbenzene	ND	0.0250	1	10/05/22	10/08/22	
Toluene	ND	0.0250	1	10/05/22	10/08/22	
o-Xylene	ND	0.0250	1	10/05/22	10/08/22	
p,m-Xylene	ND	0.0500	1	10/05/22	10/08/22	
Total Xylenes	ND	0.0250	1	10/05/22	10/08/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241075
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/22	10/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	10/05/22	10/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241080
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/08/22	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	10/06/22	10/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241091
Chloride	25.3	20.0	1	10/06/22	10/08/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported: 10/11/2022 4:59:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2241074-BLK1)

Prepared: 10/05/22 Analyzed: 10/10/22

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	7.98		8.00		99.7	70-130			

LCS (2241074-BS1)

Prepared: 10/05/22 Analyzed: 10/10/22

Benzene	4.90	0.0250	5.00		98.0	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.3	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.91	0.0250	5.00		98.2	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

LCS Dup (2241074-BS1)

Prepared: 10/05/22 Analyzed: 10/10/22

Benzene	4.33	0.0250	5.00		86.6	70-130	12.4	20	
Ethylbenzene	4.20	0.0250	5.00		84.0	70-130	12.6	20	
Toluene	4.36	0.0250	5.00		87.2	70-130	12.5	20	
o-Xylene	4.32	0.0250	5.00		86.3	70-130	12.9	20	
p,m-Xylene	8.48	0.0500	10.0		84.8	70-130	12.4	20	
Total Xylenes	12.8	0.0250	15.0		85.3	70-130	12.6	20	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

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 (2241075-BLK1)

Prepared: 10/05/22 Analyzed: 10/08/22

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	8.25		8.00		103	70-130			

LCS (2241075-BS1)

Prepared: 10/05/22 Analyzed: 10/08/22

Benzene	4.70	0.0250	5.00		94.0	70-130			
Ethylbenzene	3.66	0.0250	5.00		73.2	70-130			
Toluene	3.94	0.0250	5.00		78.7	70-130			
o-Xylene	3.72	0.0250	5.00		74.4	70-130			
p,m-Xylene	7.44	0.0500	10.0		74.4	70-130			
Total Xylenes	11.2	0.0250	15.0		74.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			

LCS Dup (2241075-BSD1)

Prepared: 10/05/22 Analyzed: 10/08/22

Benzene	5.08	0.0250	5.00		102	70-130	7.75	20	
Ethylbenzene	3.99	0.0250	5.00		79.7	70-130	8.57	20	
Toluene	4.27	0.0250	5.00		85.4	70-130	8.13	20	
o-Xylene	4.05	0.0250	5.00		80.9	70-130	8.35	20	
p,m-Xylene	8.10	0.0500	10.0		81.0	70-130	8.55	20	
Total Xylenes	12.1	0.0250	15.0		81.0	70-130	8.48	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

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 (2241074-BLK1)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2241074-BS2)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

LCS Dup (2241074-BSD2)

Prepared: 10/05/22 Analyzed: 10/10/22

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130	3.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

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 (2241075-BLK1)

Prepared: 10/05/22 Analyzed: 10/08/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

LCS (2241075-BS2)

Prepared: 10/05/22 Analyzed: 10/08/22

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.7	70-130			

LCS Dup (2241075-BSD2)

Prepared: 10/05/22 Analyzed: 10/08/22

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.2	70-130	0.175	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

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 (2241080-BLK1)

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.8		50.0		126	50-200			

LCS (2241080-BS1)

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	61.4		50.0		123	50-200			

Matrix Spike (2241080-MS1)

Source: E210019-24

Prepared: 10/06/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2241080-MSD1)

Source: E210019-24

Prepared: 10/06/22 Analyzed: 10/08/22

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.0	38-132	5.50	20	
Surrogate: n-Nonane	59.7		50.0		119	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

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 (2241082-BLK1)

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.8		50.0		116	50-200			

LCS (2241082-BS1)

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: <i>n</i> -Nonane	59.2		50.0		118	50-200			

Matrix Spike (2241082-MS1)

Source: E210019-08

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: <i>n</i> -Nonane	59.3		50.0		119	50-200			

Matrix Spike Dup (2241082-MSD1)

Source: E210019-08

Prepared: 10/06/22 Analyzed: 10/07/22

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	38-132	6.61	20	
Surrogate: <i>n</i> -Nonane	57.7		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported: 10/11/2022 4:59:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result 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 (2241089-BLK1)					Prepared: 10/06/22 Analyzed: 10/10/22				
Chloride	ND	20.0							
LCS (2241089-BS1)					Prepared: 10/06/22 Analyzed: 10/10/22				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2241089-MS1)					Source: E210019-01		Prepared: 10/06/22 Analyzed: 10/10/22		
Chloride	309	20.0	250	38.1	108	80-120			
Matrix Spike Dup (2241089-MSD1)					Source: E210019-01		Prepared: 10/06/22 Analyzed: 10/10/22		
Chloride	302	20.0	250	38.1	106	80-120	2.10	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 ST 1H CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/2022 4:59:55PM

Anions by EPA 300.0/9056A

Analyst: KL

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 (2241091-BLK1)

Prepared: 10/06/22 Analyzed: 10/07/22

Chloride ND 20.0

LCS (2241091-BS1)

Prepared: 10/06/22 Analyzed: 10/07/22

Chloride 262 20.0 250 105 90-110

Matrix Spike (2241091-MS1)

Source: E210019-21

Prepared: 10/06/22 Analyzed: 10/08/22

Chloride 295 20.0 250 31.4 106 80-120

Matrix Spike Dup (2241091-MSD1)

Source: E210019-21

Prepared: 10/06/22 Analyzed: 10/08/22

Chloride 295 20.0 250 31.4 106 80-120 0.0206 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:	Cedar 11 ST 1H CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/11/22 16:59

- 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 5

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Cedar 11 ST 14 CTB</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E210019</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:											
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-2</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	BDOC TX		Remarks
9:40	10/3/22	S	1	S3-2'	1								X			
9:45				S4-1'	2											
9:50				S4-2'	3											
9:55				S5-1'	4											
10:00				S5-2'	5											
10:05				S6-1'	6											
10:10				S6-2'	7											
10:20				S7-1'	8											
10:25				S7-2'	9											
10:30				S8-1'	10											
Additional Instructions: <u>B.71 To Devon Energy: 20836327</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Sampled by: <u>Ned Rogers</u>																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Ned Rogers</u>		<u>10-4-22</u>	<u>2:30</u>	<u>[Signature]</u>		<u>10-4-22</u>	<u>3:15</u>	Received on ice: <u>Y/N</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>[Signature]</u>		<u>10-4-22</u>	<u>4:14</u>	<u>[Signature]</u>		<u>10/5/22</u>	<u>10:30</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>[Signature]</u>				<u>[Signature]</u>												
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 4 of 5

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: <u>Cedar 11 ST 14 CTB</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E 210019</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:		Analysis and Method										
Address: 5614 N. Lovington Hwy.					City, State, Zip												RCRA
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:												
Phone: 580-748-1613					Email:												State
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-2</u>												NM
Report due by:																	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	BDOC NM	BDOC TX	Remarks			
10:35	10/3/22	S	1	S8-2'	11							X					
10:40				S9-1'	12												
10:45				S9-2'	13												
10:50				S10-1'	14												
10:55				S10-2'	15												
11:00				S11-1'	16												
11:05				S11-2'	17												
11:10				S12-1'	18												
11:15				S12-2'	19												
11:20				S13-1'	20												
Additional Instructions: <u>Bill To Devon Energy: 20836327</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Ned Rogers</u>		10-4-22	2:30	<u>Ned Rogers</u>		10-4-22	3:15	Received on ice: <u>Y</u> / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
<u>[Signature]</u>		10-4-22	2:40	<u>Carla Chate</u>		10/5/22	10:30	AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: <u>g - glass</u> , p - poly/plastic, ag - amber glass, v - VOA									
<u>[Signature]</u>				<u>[Signature]</u>				Sample Matrix: <u>S - Soil</u> , Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Project Information

Chain of Custody

Page 5 of 5

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program									
Project: <u>Cedar 11st 14 CTB</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E210019</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA									
Address: 5614 N. Lovington Hwy.					City, State, Zip																			
City, State, Zip: Hobbs, NM. 88240					Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		State	
Phone: 580-748-1613					Email:																		NM CO UT AZ TX	
Email: tom@pimaoil.com					Pima Project # <u>1-2</u>																		Remarks	
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			
11:25	10/3/22	S	1	S13-2'	21																			
11:30				S14-1'	22																			
11:35				S14-2'	23																			
11:40				S15-1'	24																			
11:45				S15-2'	25																			

Additional Instructions:

Bill To Devon Energy: 20836327

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

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>Neel Rogers</u>		10-4-22	2:30	<u>Neel Rogers</u>		10-4-22	3:11	Received on ice: <u>Y</u> / N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
<u>Neel Rogers</u>		10-4-22	2:30	<u>Neel Rogers</u>		10-5-22	10:30		
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 - OtherContainer 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

Envirotech Analytical Laboratory

Printed: 10/5/2022 11:09:45AM

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:	10/05/22 10:30	Work Order ID:	E210019
Phone:	(575) 631-6977	Date Logged In:	10/04/22 17:34	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/11/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Due to sample volume, Project Cedar 11 ST 1H CTB has been split into multiple reports/workorders. WO#'s are as follows: E210018 & E210019.

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: Cedar 11 st 1H CTB1

Work Order: E210174

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: Cedar 11 st 1H CTB1
Workorder: E210174
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: Cedar 11 st 1H CTB1.

The analytical test results summarized in this report with the Project Name: Cedar 11 st 1H 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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S13 3'	14
S13 4'	15
S13 5'	16
S13 6'	17
S14 3'	18
S14 4'	19
S14 5'	20
S14 6'	21
S15 3'	22
S15 4'	23
S15 5'	24
S15 6'	25

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 13:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S11 3'	E210174-01A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S11 4'	E210174-02A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S11 5'	E210174-03A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S11 6'	E210174-04A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S12 3'	E210174-05A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S12 4'	E210174-06A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S12 5'	E210174-07A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S12 6'	E210174-08A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S13 3'	E210174-09A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S13 4'	E210174-10A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S13 5'	E210174-11A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S13 6'	E210174-12A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S14 3'	E210174-13A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S14 4'	E210174-14A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S14 5'	E210174-15A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S14 6'	E210174-16A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S15 3'	E210174-17A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S15 4'	E210174-18A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S15 5'	E210174-19A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S15 6'	E210174-20A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S11 3'

E210174-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244046
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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2244036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
Surrogate: n-Nonane		103 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244042
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S11 4'

E210174-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
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: 2244046	
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: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S11 5'

E210174-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
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: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S11 6'

E210174-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S12 3'

E210174-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		98.8 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S12 4'

E210174-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S12 5'

E210174-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S12 6'

E210174-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S13 3'

E210174-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S13 4'

E210174-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.3 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.6 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>	106 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S13 5'

E210174-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S13 6'

E210174-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S14 3'

E210174-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S14 4'

E210174-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S14 5'

E210174-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S14 6'

E210174-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S15 3'

E210174-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S15 4'

E210174-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	26.7	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S15 5'

E210174-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 1:59:10PM

S15 6'

E210174-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244036	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244042	
Chloride	ND	20.0	1	10/27/22	10/29/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 1:59:10PM

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 (2244046-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	8.21		8.00		103	70-130			

LCS (2244046-BS1)

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

Benzene	4.54	0.0250	5.00		90.7	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.63	0.0250	5.00		92.7	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.7	0.0250	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

Matrix Spike (2244046-MS1)

Source: E210174-03

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

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

Matrix Spike Dup (2244046-MSD1)

Source: E210174-03

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

Benzene	4.58	0.0250	5.00	ND	91.6	54-133	9.71	20	
Ethylbenzene	4.54	0.0250	5.00	ND	90.8	61-133	10.4	20	
Toluene	4.67	0.0250	5.00	ND	93.4	61-130	10.1	20	
o-Xylene	4.67	0.0250	5.00	ND	93.5	63-131	10.4	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	10.4	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.3	63-131	10.4	20	
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 1:59:10PM

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 (2244046-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2244046-BS2)

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

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2244046-MS2)

Source: E210174-03

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

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2244046-MSD2)

Source: E210174-03

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

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130	12.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 1:59:10PM

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 (2244036-BLK1)

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2244036-BS1)

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	241	25.0	250		96.4	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			

Matrix Spike (2244036-MS1)

Source: E210174-17

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2244036-MSD1)

Source: E210174-17

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	0.743	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 1:59:10PM

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
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Blank (2244042-BLK1)

Prepared: 10/27/22 Analyzed: 10/29/22

Chloride ND 20.0

LCS (2244042-BS1)

Prepared: 10/27/22 Analyzed: 10/29/22

Chloride 263 20.0 250 105 90-110

Matrix Spike (2244042-MS1)

Source: E210174-01

Prepared: 10/27/22 Analyzed: 10/29/22

Chloride 264 20.0 250 ND 106 80-120

Matrix Spike Dup (2244042-MSD1)

Source: E210174-01

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

Chloride 263 20.0 250 ND 105 80-120 0.560 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:	Cedar 11 st 1H CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 13:59

- 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.

Client: PIMA ENVIRONMENTAL SERVICES Project: CEDAR HST 14 CTB1 Project Manager: TOM BYNUM Address: 5614 N. LORINGTON City, State, Zip: HOOBOS, 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 # 1-2					Lab Use Only Lab WO# E210174 Job Number 0058-0007					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA					
										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										RCRA State NM CO UT AZ TX V		Remarks		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			
11:20	10/24/22	S	1	S11 3'	1										X									
11:25				S11 4'	2																			
11:30				S11 5'	3																			
11:35				S11 6'	4																			
11:40				S12 3'	5																			
11:45				S12 4'	6																			
11:50				S12 5'	7																			
11:55				S12 6'	8																			
12:00				S13 3'	9																			
12:05				S13 4'	10																			
Additional Instructions: Billing: 20836327																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.														
Relinquished by: (Signature) <i>Andreahenders</i>					Date <i>10/25/22</i> Time <i>4:15</i>					Received by: (Signature) <i>Devon Energy</i>					Date <i>10/25/22</i> Time <i>2:00</i>					Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N				
Relinquished by: (Signature) <i>Tom Bynum</i>					Date <i>10/25/22</i> Time <i>4:15</i>					Received by: (Signature) <i>Devon Energy</i>					Date <i>10/25/22</i> Time <i>10:20</i>					T1 T2 T3				
Relinquished by: (Signature)					Date					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.																								

Envirotech Analytical Laboratory

Printed: 10/26/2022 4:44:46PM

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:	E210174
Phone:	(575) 631-6977	Date Logged In:	10/26/22 10:56	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? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: UPSComments/Resolution

Due to sample volume, project (Cedar 11 st 1H CTB1) has been split into three workorders/reports. The workorder/report numbers are as follows: E210172, E210173, and E210174.

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: Cedar 11 st 1H CTB1

Work Order: E210173

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: Cedar 11 st 1H CTB1
Workorder: E210173
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: Cedar 11 st 1H CTB1.

The analytical test results summarized in this report with the Project Name: Cedar 11 st 1H 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
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Alexa Michaels
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Rayny Hagan
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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 14:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 3'	E210173-01A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S6 4'	E210173-02A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S6 5'	E210173-03A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S6 6'	E210173-04A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S7 3'	E210173-05A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S7 4'	E210173-06A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S7 5'	E210173-07A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S7 6'	E210173-08A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S8 3'	E210173-09A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S8 4'	E210173-10A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S8 5'	E210173-11A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S8 6'	E210173-12A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S9 3'	E210173-13A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S9 4'	E210173-14A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S9 5'	E210173-15A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S9 6'	E210173-16A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S10 3'	E210173-17A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S10 4'	E210173-18A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S10 5'	E210173-19A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S10 6'	E210173-20A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S6 3'

E210173-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.9 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S6 4'

E210173-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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>						
		105 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S6 5'

E210173-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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>						
		105 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S6 6'

E210173-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.0 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S7 3'

E210173-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
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: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S7 4'

E210173-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
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: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	23.6	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S7 5'

E210173-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	24.0	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S7 6'

E210173-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S8 3'

E210173-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	10/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	10/31/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/27/22	10/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S8 4'

E210173-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S8 5'

E210173-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
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: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S8 6'

E210173-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S9 3'

E210173-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S9 4'

E210173-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.3 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S9 5'

E210173-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
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: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S9 6'

E210173-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S10 3'

E210173-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S10 4'

E210173-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.0 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S10 5'

E210173-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.3 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 2:29:59PM

S10 6'

E210173-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244045	
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: 2244045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.9 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/22	11/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/22	11/01/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/27/22	11/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244041	
Chloride	ND	20.0	1	10/27/22	10/29/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 2:29:59PM

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 (2244045-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	8.36		8.00		104	70-130			

LCS (2244045-BS1)

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

Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.0	70-130			
Toluene	4.65	0.0250	5.00		92.9	70-130			
o-Xylene	4.42	0.0250	5.00		88.5	70-130			
p,m-Xylene	8.84	0.0500	10.0		88.4	70-130			
Total Xylenes	13.3	0.0250	15.0		88.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.45		8.00		106	70-130			

Matrix Spike (2244045-MS1)

Source: E210173-03

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

Benzene	6.02	0.0250	5.00	ND	120	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.9	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.68		8.00		109	70-130			

Matrix Spike Dup (2244045-MSD1)

Source: E210173-03

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

Benzene	5.20	0.0250	5.00	ND	104	54-133	14.7	20	
Ethylbenzene	4.17	0.0250	5.00	ND	83.3	61-133	14.0	20	
Toluene	4.44	0.0250	5.00	ND	88.8	61-130	14.2	20	
o-Xylene	4.24	0.0250	5.00	ND	84.8	63-131	14.1	20	
p,m-Xylene	8.47	0.0500	10.0	ND	84.7	63-131	13.8	20	
Total Xylenes	12.7	0.0250	15.0	ND	84.7	63-131	13.9	20	
Surrogate: 4-Bromochlorobenzene-PID	8.46		8.00		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 2:29:59PM

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 (2244045-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.8	70-130			

LCS (2244045-BS2)

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

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		83.9	70-130			

Matrix Spike (2244045-MS2)

Source: E210173-03

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

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			

Matrix Spike Dup (2244045-MSD2)

Source: E210173-03

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

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 2:29:59PM

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 (2244035-BLK1)

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2244035-BS1)

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	217	25.0	250		86.7	38-132			
Surrogate: n-Nonane	48.0		50.0		96.1	50-200			

Matrix Spike (2244035-MS1)

Source: E210173-08

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.1	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2244035-MSD1)

Source: E210173-08

Prepared: 10/27/22 Analyzed: 10/31/22

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.6	38-132	1.74	20	
Surrogate: n-Nonane	54.4		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 2:29:59PM

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
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Blank (2244041-BLK1)

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

Chloride ND 20.0

LCS (2244041-BS1)

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

Chloride 257 20.0 250 103 90-110

Matrix Spike (2244041-MS1)

Source: E210173-01

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

Chloride 266 20.0 250 ND 106 80-120

Matrix Spike Dup (2244041-MSD1)

Source: E210173-01

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

Chloride 263 20.0 250 ND 105 80-120 1.05 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:	Cedar 11 st 1H CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 14:29

- 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: 2/13/2023 1:17:00 PM

Client: Pima Environmental Services
Project: Cedar 11ST 14 CTBI
Project Manager: TOM BYNUM
Address: 5104 N. Lexington Hwy
City, State, Zip: Holbrook, NM, 88240
Phone: 580-748-1163
Email: tom@pimadil.com
Report due by:

Bill To
Attention: Devon Energy
Address:
City, State, Zip
Phone:
Email:
Project # 1-2

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E210173</u>	<u>010580007</u>				<u>X</u>				
Analysis and Method						RCRA			
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State			
						NM	CO		
						UT	AZ		
						TX			
						Remarks			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
9:40	10/24/22	S	1	S6 3'	1
9:45				S6 4'	2
9:50				S6 5'	3
9:55				S6 6'	4
10:00				S7 3'	5
10:05				S7 4'	6
10:10				S7 5'	7
10:15				S7 6'	8
10:20				S8 3'	9
10:25				S8 4'	10

Additional Instructions: Billing: 20836327

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

Relinquished by: (Signature) [Signature] Date 10/25/22 Time 2:00
Received by: (Signature) [Signature] Date 10/25/22 Time 10:20

Relinquished by: (Signature) [Signature] Date 10/25/22 Time 4:15
Received by: (Signature) [Signature] Date 10/25/22 Time 10:20

Relinquished by: (Signature) [Signature] Date 10/25/22 Time 4:15
Received by: (Signature) [Signature] Date 10/25/22 Time 10:20

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.

Received by OCD: 11/14/2022 12:01:01 PM

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Page 170 of 206

Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cedar 11st 14 CTB1</u>		Attention: <u>Devon Energy</u>		Lab WO# <u>E210173</u>		Job Number <u>20580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method								RCRA	
Address: <u>5014 N. Irvington Hwy</u>		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		Chloride 300.0						BGDOC - NM		TCEQ 1005 TX-TPH	
Phone: <u>580-748-1613</u>		Email:										State	
Email: <u>tom@pimadil.com</u>		Project # <u>1-2</u>										NM CO UT AZ TX	
Report due by:												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
10:30	10/24/22	S	1	S8 5'	11							X		
10:35			1	S8 6'	12									
10:40			1	S9 3'	13									
10:45			1	S9 4'	14									
10:50			1	S9 5'	15									
10:55			1	S9 6'	16									
11:00			1	S10 3'	17									
11:05			1	S10 4'	18									
11:10			1	S10 5'	19									
11:15			1	S10 6'	20									

Additional Instructions: <u>Billing: 20836327</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>Alexandra Lindero</u>			Received by: (Signature) <u>Audrey B.</u>		
Date <u>10/25/22</u>			Date <u>10-25-22</u>		
Time <u>2:15</u>			Time <u>2:00</u>		
Relinquished by: (Signature) <u>Tom Bynum</u>			Received by: (Signature) <u>Alexandra Lindero</u>		
Date <u>10-25-22</u>			Date <u>10/26/22</u>		
Time <u>10:20</u>			Time <u>10:20</u>		
Relinquished by: (Signature)			Received by: (Signature)		
Date			Date		
Time			Time		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Lab Use Only					
Received on ice: <u>Y</u> N					
T1 T2 T3					
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 2:59:33PM

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:	E210173
Phone:	(575) 631-6977	Date Logged In:	10/26/22 10:54	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? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: UPSComments/Resolution

Due to sample volume, project (Cedar 11 st 1H CTB1) has been split into three workorders/reports. The workorder/report numbers are as follows: E210172, E210173, and E210174.

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: Cedar 11 st 1H CTB1

Work Order: E210172

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: Cedar 11 st 1H CTB1
Workorder: E210172
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: Cedar 11 st 1H CTB1.

The analytical test results summarized in this report with the Project Name: Cedar 11 st 1H 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
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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:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 12:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 3'	E210172-01A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S1 4'	E210172-02A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S1 5'	E210172-03A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S1 6'	E210172-04A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S2 3'	E210172-05A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S2 4'	E210172-06A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S2 5'	E210172-07A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S2 6'	E210172-08A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S3 3'	E210172-09A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S3 4'	E210172-10A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S3 5'	E210172-11A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S3 6'	E210172-12A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S4 3'	E210172-13A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S4 4'	E210172-14A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S4 5'	E210172-15A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S4 6'	E210172-16A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S5 3'	E210172-17A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S5 4'	E210172-18A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S5 5'	E210172-19A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.
S5 6'	E210172-20A	Soil	10/24/22	10/26/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S1 3'

E210172-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
	80.0 %	50-200		10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S1 4'

E210172-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		91.0 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S1 5'

E210172-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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>						
		108 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		86.7 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S1 6'

E210172-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		86.8 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S2 3'

E210172-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		82.9 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S2 4'

E210172-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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>						
	97.7 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
	87.9 %	50-200		10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S2 5'

E210172-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		90.3 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S2 6'

E210172-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		96.8 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S3 3'

E210172-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		98.7 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S3 4'

E210172-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.7 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		77.5 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S3 5'

E210172-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		81.3 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S3 6'

E210172-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
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: 2244034	
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>						
		83.4 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S4 3'

E210172-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		93.8 %	50-200	10/27/22	10/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S4 4'

E210172-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		88.0 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S4 5'

E210172-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		88.2 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S4 6'

E210172-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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>						
	99.6 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
	85.4 %	50-200		10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S5 3'

E210172-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
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: 2244034	
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>						
		79.1 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S5 4'

E210172-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		78.9 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S5 5'

E210172-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Benzene	ND	0.0250	1	10/27/22	10/29/22	
Ethylbenzene	ND	0.0250	1	10/27/22	10/29/22	
Toluene	ND	0.0250	1	10/27/22	10/29/22	
o-Xylene	ND	0.0250	1	10/27/22	10/29/22	
p,m-Xylene	ND	0.0500	1	10/27/22	10/29/22	
Total Xylenes	ND	0.0250	1	10/27/22	10/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	10/27/22	10/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		76.5 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
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: Cedar 11 st 1H CTB1
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/1/2022 12:46:38PM

S5 6'

E210172-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244044	
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: 2244044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/22	10/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	10/27/22	10/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2244034	
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>						
		84.8 %	50-200	10/27/22	10/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244040	
Chloride	ND	20.0	1	10/27/22	10/28/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:46:38PM

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 (2244044-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	8.33		8.00		104	70-130			

LCS (2244044-BS1)

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

Benzene	4.29	0.0250	5.00		85.9	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.2	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
p,m-Xylene	8.50	0.0500	10.0		85.0	70-130			
Total Xylenes	12.8	0.0250	15.0		85.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

Matrix Spike (2244044-MS1)

Source: E210172-03

Prepared: 10/27/22 Analyzed: 10/31/22

Benzene	4.90	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
o-Xylene	5.04	0.0250	5.00	ND	101	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

Matrix Spike Dup (2244044-MSD1)

Source: E210172-03

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

Benzene	5.06	0.0250	5.00	ND	101	54-133	3.29	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	2.24	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	2.73	20	
o-Xylene	5.19	0.0250	5.00	ND	104	63-131	2.98	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.95	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	2.30	20	
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:46:38PM

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 (2244044-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2244044-BS2)

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

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

Matrix Spike (2244044-MS2)

Source: E210172-03

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

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

Matrix Spike Dup (2244044-MSD2)

Source: E210172-03

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

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	6.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:46:38PM

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 (2244034-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	40.2		50.0		80.4	50-200			

LCS (2244034-BS1)

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

Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	35.8		50.0		71.5	50-200			

Matrix Spike (2244034-MS1)

Source: E210172-07

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

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike Dup (2244034-MSD1)

Source: E210172-07

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

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.1	38-132	0.694	20	
Surrogate: n-Nonane	38.9		50.0		77.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cedar 11 st 1H CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/1/2022 12:46:38PM

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 (2244040-BLK1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Chloride	ND	20.0							
LCS (2244040-BS1)					Prepared: 10/27/22 Analyzed: 10/28/22				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2244040-MS1)					Source: E210172-01		Prepared: 10/27/22 Analyzed: 10/28/22		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2244040-MSD1)					Source: E210172-01		Prepared: 10/27/22 Analyzed: 10/28/22		
Chloride	261	20.0	250	ND	104	80-120	0.631	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:	Cedar 11 st 1H CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/01/22 12:46

- 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.



Client: Pima Environmental Services
Project: Cedar 11st IN CTB1
Project Manager: Tom Bynum
Address: 5101 N. Lexington Hwy
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1163
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon Energy
Address: _____
City, State, Zip _____
Phone: _____
Email: _____
Project #: 1-2

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E210172	010580007				X		

[illegible]

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORP	GRO/DRO	BTEX by	VOC by 8	Metals 6	Chloride			BGDOC	TCEQ 100		Remarks
8:00	10/24/22	S	1	S1 3'	1									X			
8:05				S1 4'	2												
8:10				S1 5'	3												
8:15				S1 6'	4												
8:20				S2 3'	5												
8:25				S2 4'	6												
8:30				S2 5'	7												
8:35				S2 6'	8												
8:40				S3 3'	9												
8:45				S3 4'	10												

Additional Instructions:

Billing# 20836327

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>Andres Sanders</i>	Date 10/25/22	Time	Received by: (Signature) <i>[Signature]</i>	Date 10-25-22	Time 2:00	Lab-Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <i>4</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date 10-25-22	Time 4:15	Received by: (Signature) <i>[Signature]</i>	Date 10/26/22	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.



Envirotech Analytical Laboratory

Printed: 10/26/2022 2:30:53PM

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:	E210172
Phone:	(575) 631-6977	Date Logged In:	10/26/22 10:51	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? 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: UPS**Comments/Resolution**

Due to sample volume, project (Cedar 11 st 1H CTB1) has been split into three workorders/reports. The workorder/report numbers are as follows: E210172, E210173, and E210174.

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 158538

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 158538
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/13/2023