

**Ridgeway Arizona Oil Corp.  
575 N. Dairy Ashford  
Suite 210  
Houston, TX 77079**

November 13, 2024

NMOCD District 1  
1625 N French Dr.  
Hobbs, NM, 88240

**RE: Site Assessment, Remediation and Closure Report  
Haley Water Facility  
NMOCD Reference No. NAPP2310847119  
GPS: Latitude 33.66595 Longitude -103.54589  
UL "H", Section 34, Township 07S, Range 33E,  
Roosevelt County, NM**

Ridgeway Arizona Oil Corp. (Ridgeway) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment, remediation and write a closure report for contaminated soils stockpiled at the Haley Water Facility (Haley). This incident was discovered on July 27, 2022, and was assigned incident ID NAPP2310847119, by the New Mexico Oil Conservation Division (NMOCD).

**Site Information and Site Characterization**

The Haley is located approximately eleven (11) miles NW of Milnesand, NM. This spill site is in Unit H, Section 34, Township 07S, Range 33E, Latitude 33.66595 Longitude -103.54589, Roosevelt County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits. The soil in this area is made up of Amarose loamy fine sand, dry, having 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Haley (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 165 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 231 feet BGS. 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' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

**Release Information**

**NAPP2310847119:** On July 27, 2022, it was discovered that soils contaminated with crude oil was being stockpiled at location from unknown events. Measures approximately 100' x 45' at a height of approximately 14'. Contained inside a fenced area.

**Site Assessment**

On February 3, 2024, Pima mobilized personnel to perform a site assessment and collect soil samples. Grab soil samples were collected within and around the impacted area utilizing a hand auger. The estimated volume of this stockpile is approximately 776 cubic yards of soil. The laboratory results from this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

2-3-2024 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway- Haley Central Water Facility NAPP2310847119								
Date: 2/3/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S5	1'	ND	ND	ND	546	130	676	219
	2'	ND	ND	ND	ND	ND	0	28.9
	3'	ND	ND	ND	ND	ND	0	23.5
	4'	ND	ND	ND	ND	ND	0	20.3
S6	1'	ND	ND	ND	507	ND	507	235
	2'	ND	ND	ND	ND	ND	0	26.9
	3'	ND	ND	ND	ND	ND	0	23.3
	4'	ND	ND	ND	ND	ND	0	21
S7	1'	ND	ND	ND	439	ND	439	221
	2'	ND	ND	ND	ND	ND	0	28
	3'	ND	ND	ND	ND	ND	0	23
	4'	ND	ND	ND	ND	ND	0	ND
S8	1'	ND	ND	ND	381	ND	381	234
	2'	ND	ND	ND	ND	ND	0	35.2
	3'	ND	ND	ND	ND	ND	0	22.2
	4'	ND	ND	ND	ND	ND	0	20.7
S9	1'	ND	ND	ND	364	ND	364	249
	2'	ND	ND	ND	ND	ND	0	26.9
	3'	ND	ND	ND	ND	ND	0	23.8
	4'	ND	ND	ND	ND	ND	0	20.3
S10	1'	ND	ND	ND	410	ND	410	321
	2'	ND	ND	ND	ND	ND	0	23.5
	3'	ND	ND	ND	ND	ND	0	20.9
	4'	ND	ND	ND	ND	ND	0	47
SW1	0-4'	ND	ND	ND	ND	ND	0	ND
SW2	0-4'	ND	ND	ND	ND	ND	0	ND
SW3	0-4'	ND	ND	ND	ND	ND	0	ND
SW4	0-4'	ND	ND	ND	ND	ND	0	ND
SW5	0-4'	ND	ND	ND	ND	ND	0	ND

SW6	0-4'	ND	ND	ND	ND	ND	0	ND
SW7	0-4'	ND	ND	ND	ND	ND	0	ND
SW8	0-4'	ND	ND	ND	ND	ND	0	ND
SW9	0-4'	ND	ND	ND	ND	ND	0	ND
SW10	0-4'	ND	ND	ND	ND	ND	0	ND
SW11	0-4'	ND	ND	ND	ND	ND	0	ND
SW12	0-4'	ND	ND	ND	ND	ND	0	ND
SW13	0-4'	ND	ND	ND	ND	ND	0	ND
SW14	0-4'	ND	ND	ND	ND	ND	0	ND
SW15	0-4'	ND	ND	ND	ND	ND	0	ND
SW16	0-4'	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND/0 – Analyte Not Detected

**Remediation Activities**

On October 4, 2024, Pima personnel mobilized to the site to begin excavating the release area. The estimated total volume of soil that was excavated from the area was based on a 4,500 square foot area at an average depth of 1.5' below ground surface totaling approximately 250 cubic yards. The contaminated soil was hauled and disposed of at Gandy Marley, Inc, an NMOCD-approved disposal facility. Then clean, like material was brought to the location to be used for backfilling. Figure 5 references an Excavation Map. Photographic Documentation is referenced in Appendix D.

On October 11, 2024, after Ridgeway submitted a 48-hour sampling notification (Appendix C) a total of twenty-three (23) composite samples were collected at a depth of 2' below ground surface, and a total of six (6) sidewall composite samples were collected. All samples were put on ice, jarred, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The sample results from this sampling event can be found in the data table below. A Confirmation Sample Map can be referenced in Figure 6. A complete Laboratory Report can be referenced in Appendix E.

**10-11-2024 Confirmation Sampling Event**

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway Haley Water Facility NAPP2310847119								
Date: 10-11-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	2'	ND	ND	ND	ND	ND	0	ND
CS2	2'	ND	ND	ND	ND	ND	0	ND
CS3	2'	ND	ND	ND	ND	ND	0	ND
CS4	2'	ND	ND	ND	ND	ND	0	ND
CS5	2'	ND	ND	ND	ND	ND	0	ND
CS6	2'	ND	ND	ND	ND	ND	0	ND
CS7	2'	ND	ND	ND	ND	ND	0	ND
CS8	2'	ND	ND	ND	ND	ND	0	ND
CS9	2'	ND	ND	ND	ND	ND	0	ND
CS10	2'	ND	ND	ND	ND	ND	0	ND
CS11	2'	ND	ND	ND	ND	ND	0	ND
CS12	2'	ND	ND	ND	ND	ND	0	ND
CS13	2'	ND	ND	ND	ND	ND	0	ND

CS14	2'	ND	ND	ND	ND	ND	0	ND
CS15	2'	ND	ND	ND	ND	ND	0	ND
CS16	2'	ND	ND	ND	ND	ND	0	ND
CS17	2'	ND	ND	ND	ND	ND	0	ND
CS18	2'	ND	ND	ND	ND	ND	0	ND
CS19	2'	ND	ND	ND	ND	ND	0	ND
CS20	2'	ND	ND	ND	ND	ND	0	ND
CS21	2'	ND	ND	ND	ND	ND	0	ND
CS22	2'	ND	ND	ND	ND	ND	0	ND
CS23	2'	ND	ND	ND	ND	ND	0	ND
CSW1	Comp	ND	ND	ND	ND	ND	0	ND
CSW2	Comp	ND	ND	ND	ND	ND	0	ND
CSW3	Comp	ND	ND	ND	ND	ND	0	ND
CSW4	Comp	ND	ND	ND	ND	ND	0	ND
CSW5	Comp	ND	ND	ND	ND	ND	0	ND
CSW6	Comp	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected

### Closure Request

Based on the laboratory reports, the contamination levels for all samples analyzed are under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. No further remediation activities are required for this incident.

Ridgeway has complied with the applicable requirements set forth in 19.15.29.12 NMAC and requests that this remediation closure report for incident ID NAPP2310847119 be approved. Ridgeway understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan addressing a minimum of four feet of non-waste containing earthen material.

For questions or additional information, please feel free to contact:

Ridgeway Arizona Oil Corp – Charles Hinojosa – 713-574-7912 or [chinojosa@pedevco.com](mailto:chinojosa@pedevco.com).

Pima Environmental – DelRae Geller – 806-724-5391 or [delrae@pimaoil.com](mailto:delrae@pimaoil.com).

Respectfully,

*DelRae Geller*

DelRae Geller  
Project Manager  
Pima Environmental Services, LLC



**Attachments**

Figures:

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

Appendices:

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



Pima Environmental Services

**Figures:**



1. Location Map
2. Topographic Map
3. Karst Map
4. Site Map
5. Excavation Map
6. Confirmation Sample Map



# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
Location Map

## Legend

-  11.97 Miles NW of Milnesand, NM
-  Haley Water Station

Haley Water Station

Milnesand 262

206

Google Earth

10 mi





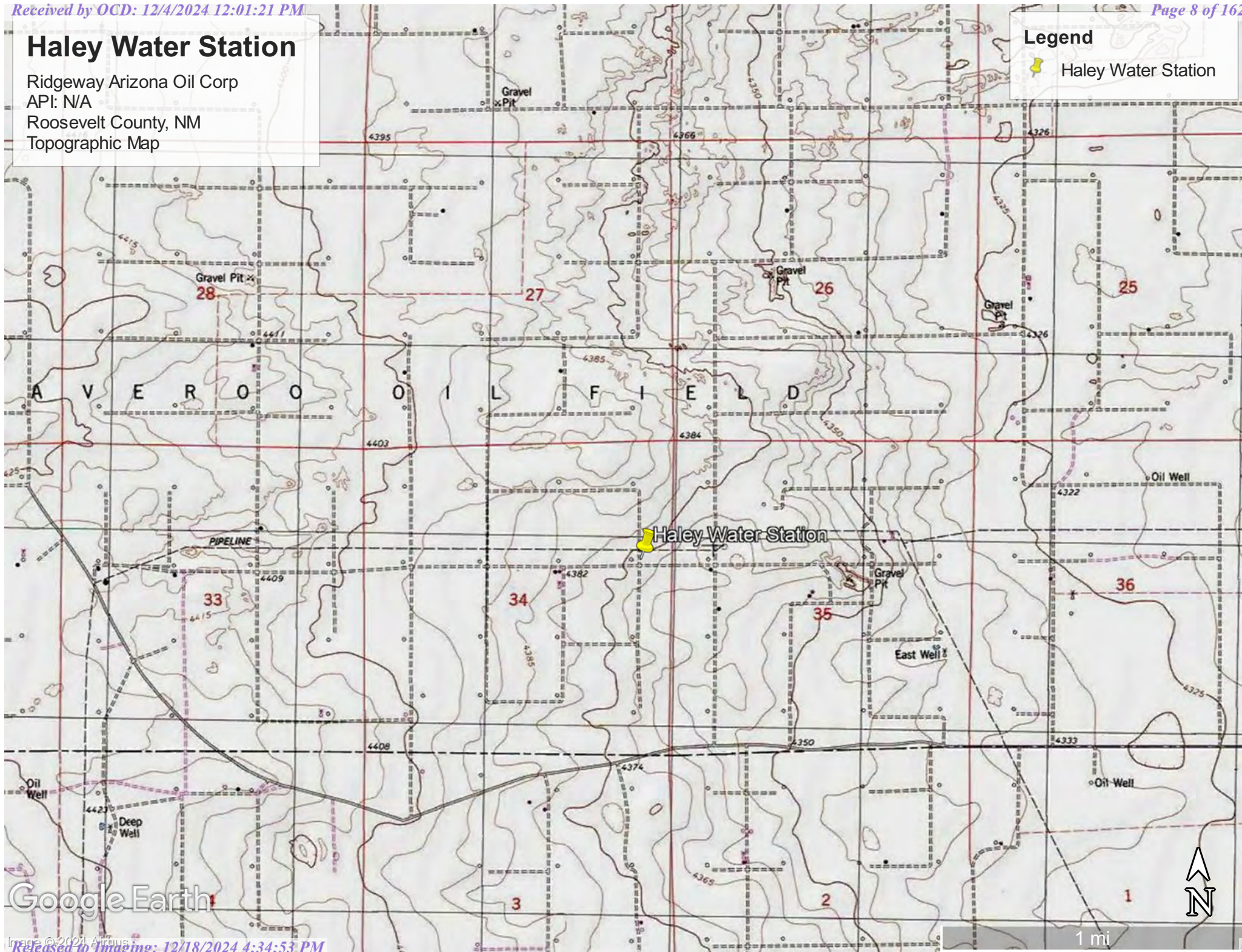
# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
Topographic Map

## Legend



Haley Water Station







Google Earth




# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
Karst Map

## Legend

-  Haley Water Station
-  High Karst
-  Low Karst
-  Medium Karst

 Haley Water Station

258

Google Earth

4 mi







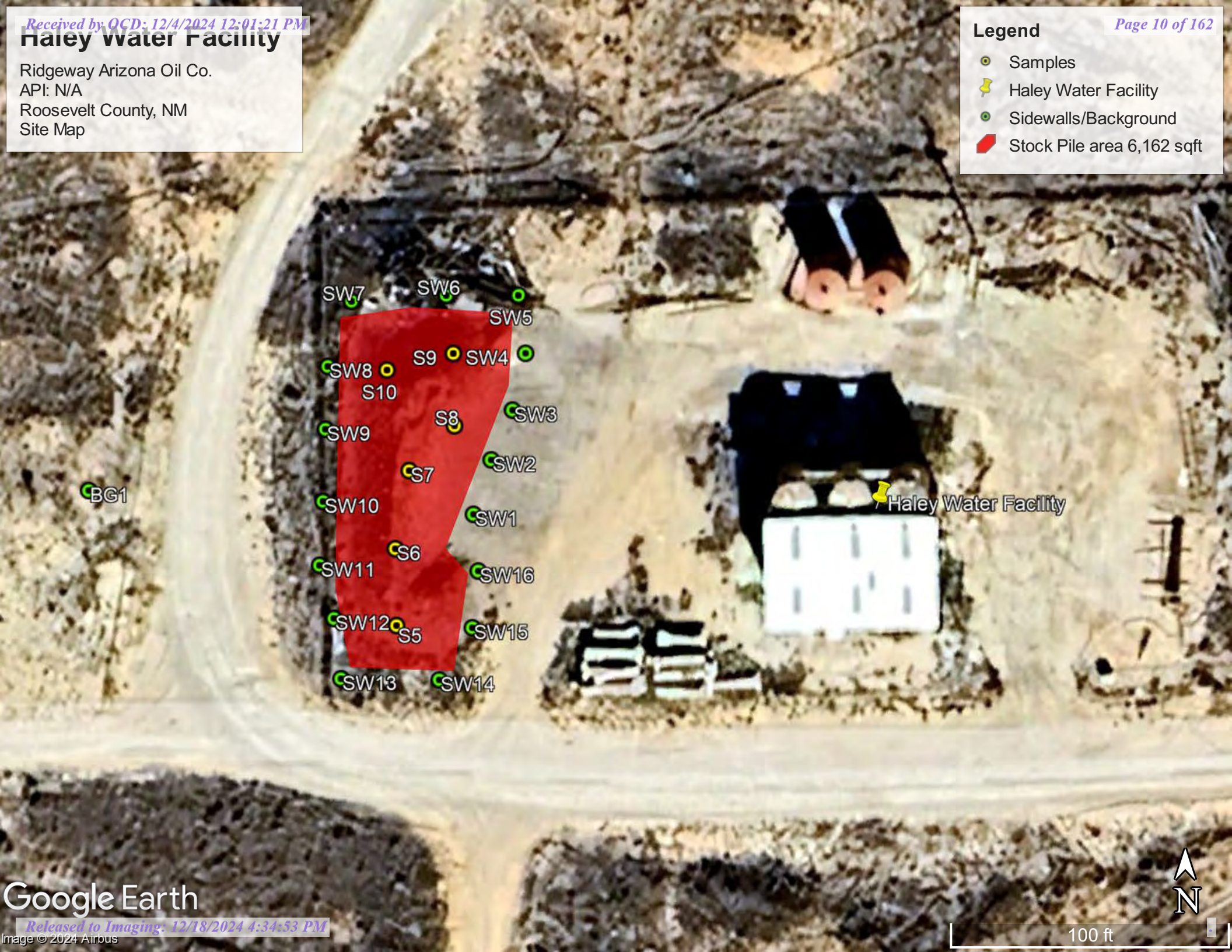


# Haley Water Facility

Ridgeway Arizona Oil Co.  
API: N/A  
Roosevelt County, NM  
Site Map

## Legend

-  Samples
-  Haley Water Facility
-  Sidewalls/Background
-  Stock Pile area 6,162 sqft






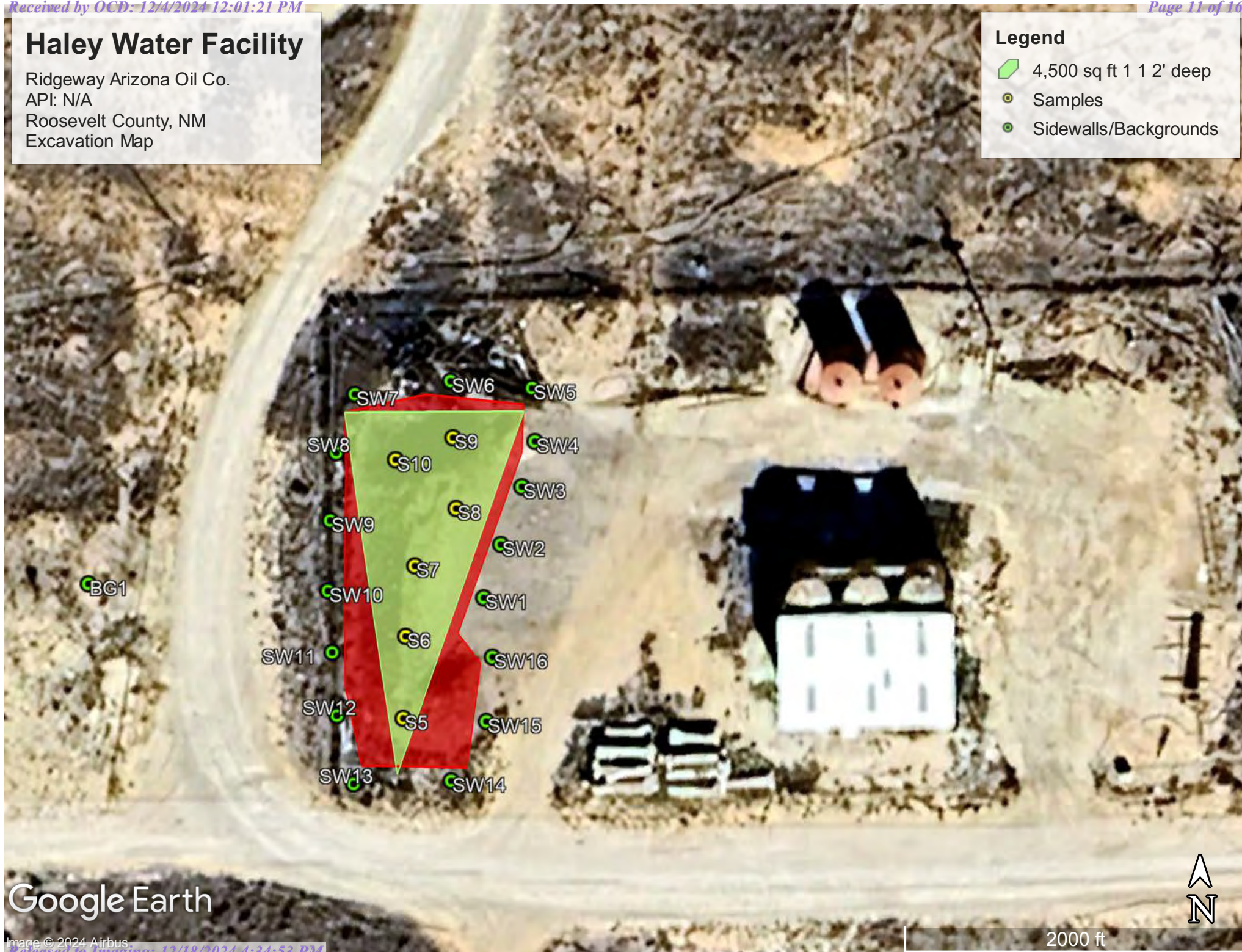


# Haley Water Facility

Ridgeway Arizona Oil Co.  
API: N/A  
Roosevelt County, NM  
Excavation Map

## Legend

-  4,500 sq ft 1 1 2' deep
-  Samples
-  Sidewalls/Backgrounds



Google Earth

2000 ft



# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
Confirmation Sample Map

## Legend

- Bottom Samples
- Sidewall Samples
- Excavated Area 4,500 sq ft 1 1/2' deep



Google Earth





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the 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	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">L 13691 POD1</a>		L	LE	1	1	4	22	09S	32E	637362	3725298	2645	150		
<a href="#">CL 00385 POD1</a>		CL	CH	3	3	4	15	08S	33E	634369	3720406	5692	349		
<a href="#">L 14097 POD1</a>		L	LE	1	3	3	06	20S	35E	638740	3718500	8526	61	0	61
<a href="#">CL 00307 POD1</a>		CL	CH	2	3	4	13	08S	32E	628014	3720298	8940	195	165	30
<a href="#">CL 00314 POD1</a>		CL	CH	1	2	2	34	08S	33E	634611	3716897	9184	220	157	63

Average Depth to Water: **107 feet**

Minimum Depth: **0 feet**

Maximum Depth: **165 feet**

**Record Count:** 5

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 634834.14

**Northing (Y):** 3726079.62

**Radius:** 10000

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.


2/22/24 10:31 AM

WATER COLUMN/ AVERAGE DEPTH TO  
WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
L 13691	POD1	1	1	4	22	09S	32E	637362	3725298 

---

<b>Driller License:</b>	1058	<b>Driller Company:</b>	KEY'S DRILLING & PUMP SERVICE	
<b>Driller Name:</b>	CLINTON KEY			
<b>Drill Start Date:</b>	02/25/2015	<b>Drill Finish Date:</b>	02/25/2015	<b>Plug Date:</b>
<b>Log File Date:</b>	03/09/2015	<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 30 GPM
<b>Casing Size:</b>	4.50	<b>Depth Well:</b>	150 feet	<b>Depth Water:</b>

---

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	55	65	Sandstone/Gravel/Conglomerate
	70	143	Sandstone/Gravel/Conglomerate

---

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	65	150

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.

2/22/24 9:47 AM

POINT OF DIVERSION SUMMARY



# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
L-13691-POD 1 Map

## Legend

- 1.64 Miles
- Haley Water Station
- L-13691-POD 1



Haley Water Station



L-13691-POD 1

Google Earth



1 mi





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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

### Search Results -- 1 sites found

site\_no list =

- 334206103334201

Minimum number of levels = 1

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

### USGS 334206103334201 07S.33E.16.443224

Available data for this site

Groundwater: Field measurements



GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12080001

Latitude 33°42'07.1", Longitude 103°33'50.2" NAD83

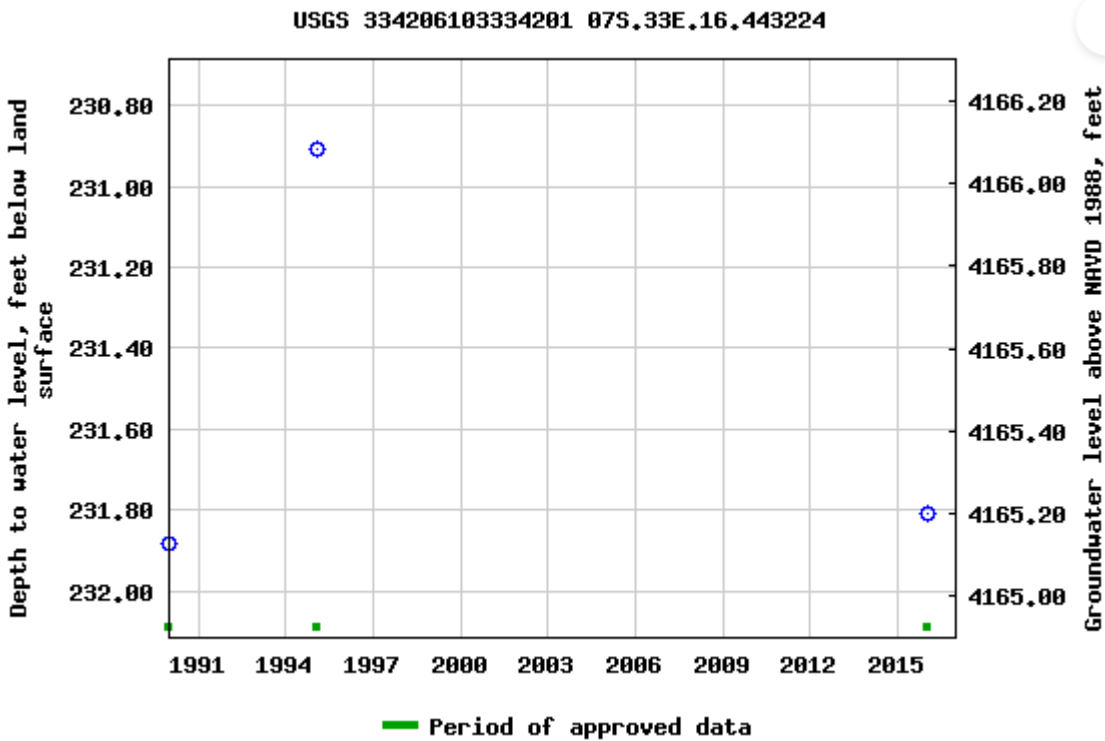
Land-surface elevation 4,397 feet above NAVD88

The depth of the well is 290 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



Breaks in the plot represent a gap of at least one year between field measurements.

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

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

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

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

Page Last Modified: 2024-02-22 11:45:12 EST

0.79 0.66 nadww02








# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
USGS 334206103334201

## Legend

-  2.67 Miles
-  Haley Water Station
-  USGS 334206103334201

USGS 334206103334201

Haley Water Station

Google Earth

2 mi



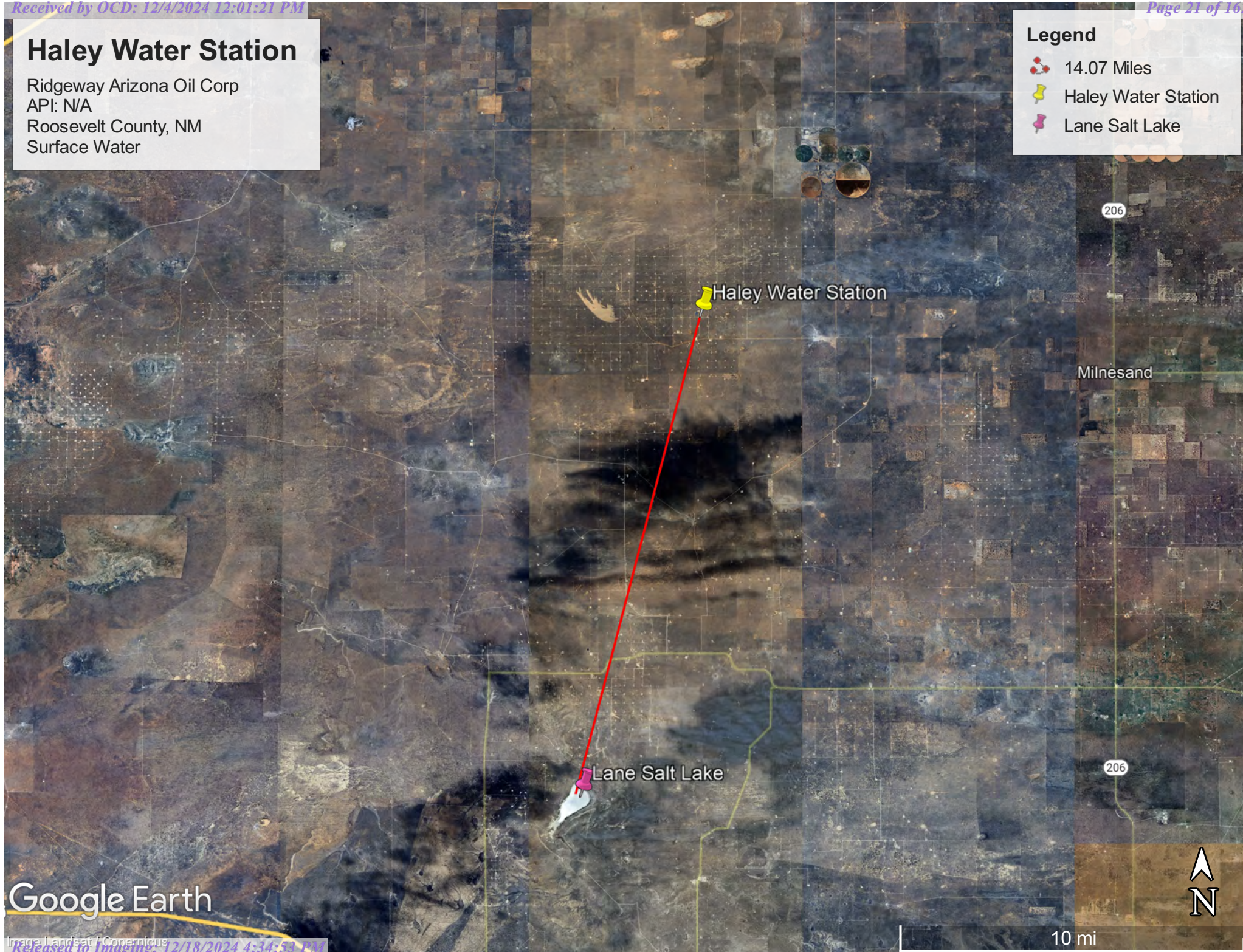


# Haley Water Station

Ridgeway Arizona Oil Corp  
API: N/A  
Roosevelt County, NM  
Surface Water

## Legend

- 14.07 Miles
- Haley Water Station
- Lane Salt Lake



Google Earth





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Amarose loamy fine sand, 0 to 3 percent slopes---Roosevelt County,  
New Mexico

---

## Roosevelt County, New Mexico

### AqB—Amarose loamy fine sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1idyj  
*Elevation:* 2,500 to 4,600 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 57 to 63 degrees F  
*Frost-free period:* 180 to 220 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Amarose and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Amarose

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy eolian deposits

##### Typical profile

*A - 0 to 10 inches:* loamy fine sand  
*Bt1 - 10 to 34 inches:* sandy clay loam  
*Bt2 - 34 to 42 inches:* fine sandy loam  
*Btk - 42 to 80 inches:* loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 55 percent  
*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B

Map Unit Description: Amarose loamy fine sand, 0 to 3 percent slopes---Roosevelt County,  
New Mexico

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*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

### Minor Components

#### Elida

*Percent of map unit:* 8 percent  
*Landform:* Playa slopes, plains  
*Landform position (two-dimensional):* Backslope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear  
*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

#### Douro

*Percent of map unit:* 4 percent  
*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

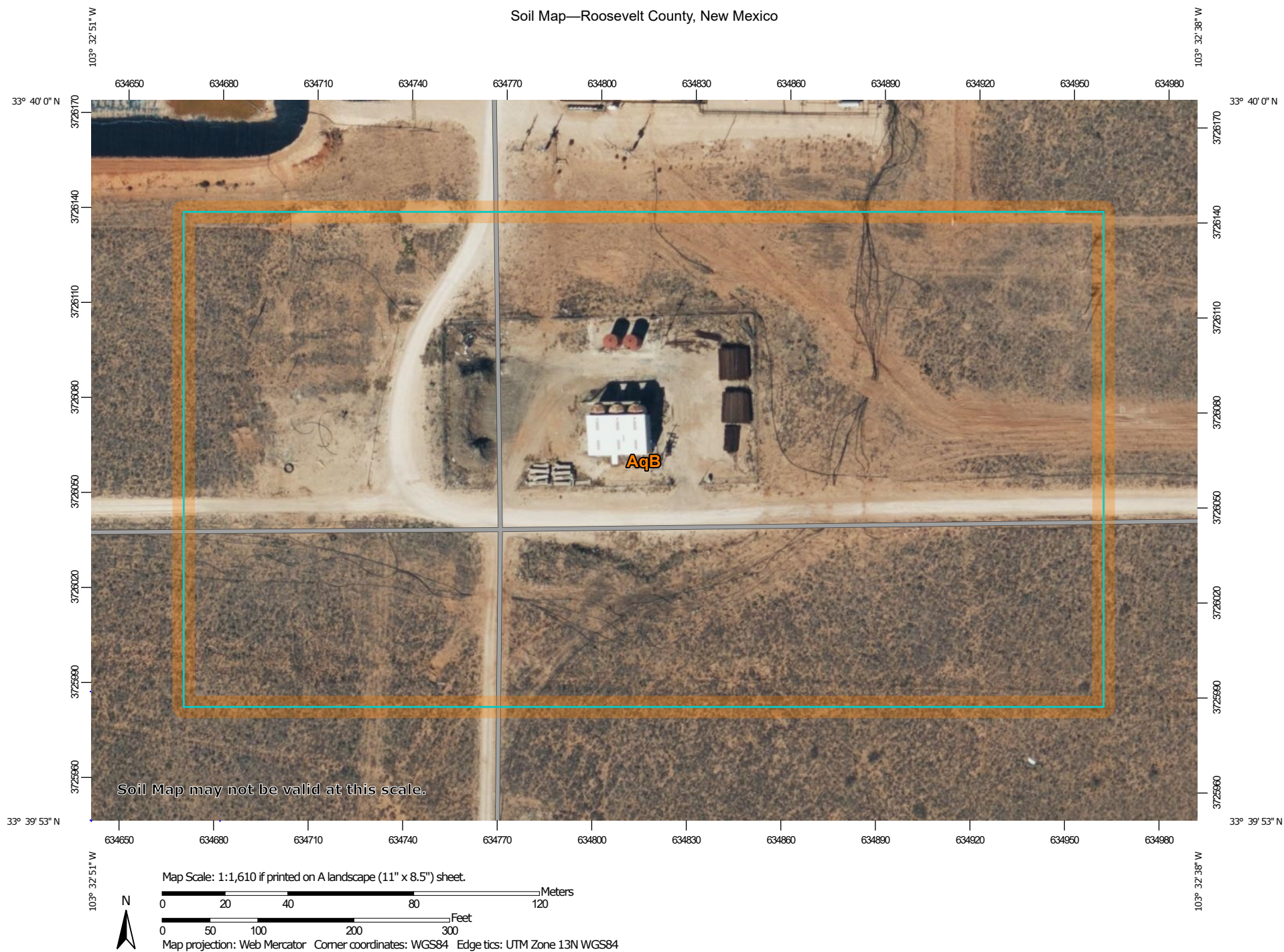
#### Triomas

*Percent of map unit:* 3 percent  
*Landform:* Plains  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Roosevelt County, New Mexico  
Survey Area Data: Version 20, Sep 7, 2023

## Soil Map—Roosevelt County, New Mexico



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

11/19/2024  
Page 1 of 3


## Soil Map—Roosevelt County, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Roosevelt County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

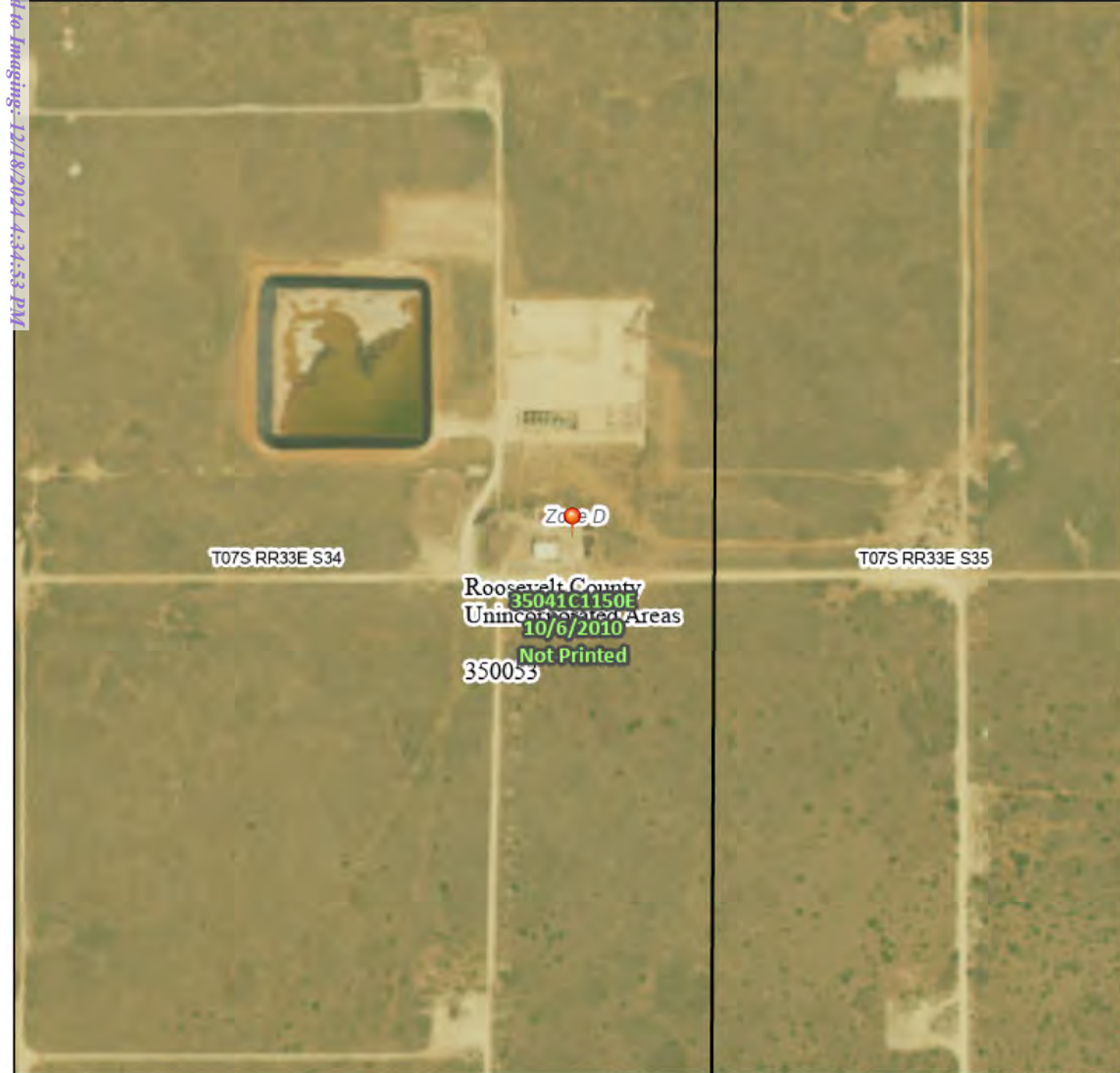
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AqB	Amarose loamy fine sand, 0 to 3 percent slopes	11.3	100.0%
Totals for Area of Interest		11.3	100.0%

Released to Imaging: 12/18/2024 4:34:53 PM

# National Flood Hazard Layer FIRMette



103°33'3"W 33°40'13"N



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

1:6,000

103°32'26"W 33°39'43"N

Basemap Imagery Source: USGS National Map 2023

## 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
		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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		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
		Profile 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 2/22/2024 at 11:51 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.

Received by OCD: 12/18/2024 12:01:21 PM

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Wetlands



February 22, 2024

Wetlands

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

### 48-Hour Sampling Notification

**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**

QUESTIONS

Action 391191

**QUESTIONS**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 391191
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2310847119
Incident Name	NAPP2310847119 HALEY CENTRAL WATER FACILITY @ 0
Incident Type	Other
Incident Status	Remediation Plan Approved
Incident Facility	[fCH1903857157] HALEY WATER STATION

Location of Release Source	
Site Name	HALEY CENTRAL WATER FACILITY
Date Release Discovered	07/27/2022
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,500
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/11/2024
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	33.66595, -103.54589

**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 391191

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 391191
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
chinojosa	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/9/2024



Pima Environmental Services

## **Appendix D**

Photographic Documentation





## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Haley Water Station**

### Assessment



Site Information Sign.



Photo of site tech assessing the release area.



Photo of site tech assessing the release area.



Photo of site tech assessing the release area.



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Haley Water Station**

### Pre-Excavation



Photo of the release are prior to the start of the excavation facing Northwest.



Photo of the release are prior to the start of the excavation facing Southwest.



Photo of the release are prior to the start of the excavation facing Southwest.



Photo of the release are prior to the start of the excavation facing Southeast.



Photo of the release are prior to the start of the excavation facing Northeast.



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Haley Water Station**

### Excavation



Photo of the excavation process facing Southwest.



Photo of the excavation process facing Southwest.



Photo of the excavation process facing South.



Photo of the excavation process facing Southeast.





Photo of the excavation process facing West.



Photo of the excavation process facing North.

## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Haley Water Station**

### Backfill



Photo of the excavation completed facing South.



Photo of the excavation completed facing Southeast.



Photo of the excavation completed facing Southeast.



Photo of the excavation completed facing North.



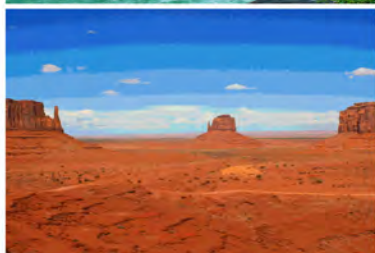


Pima Environmental Services

## **Appendix E**

### Laboratory Results

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Haley Chavaroo SA Unit Water  
Injection facility

Work Order: E402056

Job Number: 21064-0001

Received: 2/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/13/24

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.

Date Reported: 2/13/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Haley Chavaroo SA Unit Water Injection facility  
Workorder: E402056  
Date Received: 2/6/2024 7:51:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2024 7:51:00AM, under the Project Name: Haley Chavaroo SA Unit Water Injection facility.

The analytical test results summarized in this report with the Project Name: Haley Chavaroo SA Unit Water Injection facility 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b>
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	
			02/13/24 14:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S5 - 1'	E402056-01A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S5-2'	E402056-02A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S5-3'	E402056-03A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S5-4'	E402056-04A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S6-1'	E402056-05A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S6-2'	E402056-06A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S6-3'	E402056-07A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S6-4'	E402056-08A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S7-1'	E402056-09A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S7-2'	E402056-10A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S7-3'	E402056-11A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S7-4'	E402056-12A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S8-1'	E402056-13A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S8-2'	E402056-14A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S8-3'	E402056-15A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S8-4'	E402056-16A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S9-1'	E402056-17A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S9-2'	E402056-18A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S9-3	E402056-19A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S9-4'	E402056-20A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S10-1'	E402056-21A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S10-2'	E402056-22A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S10-3'	E402056-23A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S10-4'	E402056-24A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW1	E402056-25A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW2	E402056-26A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW3	E402056-27A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW4	E402056-28A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW5	E402056-29A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW6	E402056-30A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW7	E402056-31A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW8	E402056-32A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW9	E402056-33A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW10	E402056-34A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW11	E402056-35A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW12	E402056-36A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW13	E402056-37A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW14	E402056-38A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW15	E402056-39A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW16	E402056-40A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.





Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported: 02/13/24 14:33
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E402056-41A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

**S5 - 1'**

**E402056-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	546	25.0	1	02/08/24	02/12/24	
Oil Range Organics (C28-C36)	130	50.0	1	02/08/24	02/12/24	
<i>Surrogate: n-Nonane</i>						
	90.6 %	50-200		02/08/24	02/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	219	20.0	1	02/08/24	02/08/24	





## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S5-2'

E402056-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	28.9	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5-3'

E402056-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	86.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	91.6 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	23.5	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
---	---	----------------------------------

S5-4'

E402056-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	86.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	104 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	20.3	20.0	1	02/08/24	02/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6-1'

E402056-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	86.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	507	125	5	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	250	5	02/08/24	02/09/24	
Surrogate: n-Nonane	156 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	235	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6-2'

E402056-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	86.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	99.1 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	26.9	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6-3'

E402056-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	85.9 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	98.6 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	23.3	20.0	1	02/08/24	02/08/24	





## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S6-4'

E402056-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>	102 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	21.0	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S7-1'

E402056-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	439	125	5	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	250	5	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	221	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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S7-2'

E402056-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	28.0	20.0	1	02/08/24	02/08/24	





## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S7-3'

E402056-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	23.0	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7-4'

E402056-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	85.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	107 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	ND	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S8-1'

E402056-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2406044
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2406044
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2406087
Diesel Range Organics (C10-C28)	381	125	5	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	250	5	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2406075
Chloride	234	20.0	1	02/08/24	02/08/24	





## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S8-2'

E402056-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	97.7 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	35.2	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S8-3'

E402056-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	96.8 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	22.2	20.0	1	02/08/24	02/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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S8-4'

E402056-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	20.7	20.0	1	02/08/24	02/09/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S9-1'

E402056-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	87.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	364	125	5	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	250	5	02/08/24	02/09/24	
Surrogate: n-Nonane	109 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	249	20.0	1	02/08/24	02/09/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

S9-2'

E402056-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	99.0 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	26.9	20.0	1	02/08/24	02/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S9-3

E402056-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	23.8	20.0	1	02/08/24	02/09/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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S9-4'

E402056-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2406044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406087	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406075	
Chloride	20.3	20.0	1	02/08/24	02/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10-1'

E402056-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	410	50.0	2	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	100	2	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	321	20.0	1	02/08/24	02/08/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10-2'

E402056-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	98.4 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	23.5	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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S10-3'

E402056-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	20.9	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10-4'

E402056-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	88.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	91.7 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	47.0	20.0	1	02/08/24	02/08/24	

## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW1

## E402056-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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SW2

E402056-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3

E402056-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	88.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	99.5 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Chavaroo SA Unit Water Injection facility Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 2/13/2024 2:33:47PM
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SW4

E402056-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5

E402056-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
Surrogate: 4-Bromochlorobenzene-PID	88.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
Surrogate: n-Nonane	105 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW6

E402056-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	

## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

SW7

E402056-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW8

## E402056-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW9

## E402056-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	





## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW10

## E402056-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW11

## E402056-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW12

E402056-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/09/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW13

E402056-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/09/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW14

## E402056-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/09/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	<b>Reported:</b> 2/13/2024 2:33:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW15

E402056-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/09/24	

## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## SW16

## E402056-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Benzene	ND	0.0250	1	02/06/24	02/11/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/11/24	
Toluene	ND	0.0250	1	02/06/24	02/11/24	
o-Xylene	ND	0.0250	1	02/06/24	02/11/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/11/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		02/06/24	02/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406088	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2406090	
Chloride	ND	20.0	1	02/08/24	02/09/24	



## Sample Data

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

Project Name: Haley Chavaroo SA Unit Water Injection facility  
Project Number: 21064-0001  
Project Manager: Tom Bynum

**Reported:**  
2/13/2024 2:33:47PM

## BG1

## E402056-41

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406041	
Benzene	ND	0.0250	1	02/06/24	02/10/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/10/24	
Toluene	ND	0.0250	1	02/06/24	02/10/24	
o-Xylene	ND	0.0250	1	02/06/24	02/10/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/10/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		02/06/24	02/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2406041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/06/24	02/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2406086	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		02/08/24	02/09/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2406060	
Chloride	ND	20.0	1	02/06/24	02/08/24	





Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2406041-BLK1) Prepared: 02/06/24 Analyzed: 02/12/24

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	7.08		8.00		88.5	70-130			

LCS (2406041-BS1) Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.7	70-130			
Toluene	4.68	0.0250	5.00		93.5	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130			
Total Xylenes	14.1	0.0250	15.0		94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

Matrix Spike (2406041-MS1) Source: E402055-30 Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.40	0.0250	5.00	ND	88.0	54-133			
Ethylbenzene	4.40	0.0250	5.00	ND	88.1	61-133			
Toluene	4.39	0.0250	5.00	ND	87.8	61-130			
o-Xylene	4.34	0.0250	5.00	ND	86.7	63-131			
p,m-Xylene	8.89	0.0500	10.0	ND	88.9	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.8	70-130			

Matrix Spike Dup (2406041-MSD1) Source: E402055-30 Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.90	0.0250	5.00	ND	97.9	54-133	10.7	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	10.7	20	
Toluene	4.90	0.0250	5.00	ND	97.9	61-130	10.9	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	10.7	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	10.5	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	10.6	20	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.2	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Volatile Organics by EPA 8021B

Analyst: EG

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 (2406043-BLK1) Prepared: 02/06/24 Analyzed: 02/12/24

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	7.44		8.00		93.0	70-130			

LCS (2406043-BS1) Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.67	0.0250	5.00		93.3	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.5	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.62	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			

Matrix Spike (2406043-MS1) Source: E402056-32 Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2406043-MSD1) Source: E402056-32 Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.66	0.0250	5.00	ND	93.2	54-133	8.00	20	
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133	7.45	20	
Toluene	4.66	0.0250	5.00	ND	93.2	61-130	7.81	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	7.49	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	63-131	7.19	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131	7.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Volatile Organics by EPA 8021B

Analyst: BA

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 (2406044-BLK1)Prepared: 02/06/24 Analyzed: 02/12/24

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	7.33		8.00		91.6	70-130			

LCS (2406044-BS1)Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.54	0.0250	5.00		90.9	70-130			
Ethylbenzene	4.45	0.0250	5.00		89.0	70-130			
Toluene	4.55	0.0250	5.00		91.1	70-130			
o-Xylene	4.49	0.0250	5.00		89.7	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

Matrix Spike (2406044-MS1)Source: E402056-18Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.82	0.0250	5.00	ND	96.4	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133			
Toluene	4.83	0.0250	5.00	ND	96.6	61-130			
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2406044-MSD1)Source: E402056-18Prepared: 02/06/24 Analyzed: 02/12/24

Benzene	4.88	0.0250	5.00	ND	97.7	54-133	1.32	20	
Ethylbenzene	4.79	0.0250	5.00	ND	95.9	61-133	1.72	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.47	20	
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131	1.88	20	
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131	1.84	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	1.85	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		97.9	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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 (2406041-BLK1) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			

LCS (2406041-BS2) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.8	70-130			

Matrix Spike (2406041-MS2) Source: E402055-30 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			

Matrix Spike Dup (2406041-MSD2) Source: E402055-30 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	9.74	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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 (2406043-BLK1) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

LCS (2406043-BS2) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.2	70-130			

Matrix Spike (2406043-MS2) Source: E402056-32 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2406043-MSD2) Source: E402056-32 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	4.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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 (2406044-BLK1) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

LCS (2406044-BS2) Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike (2406044-MS2) Source: E402056-18 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			

Matrix Spike Dup (2406044-MSD2) Source: E402056-18 Prepared: 02/06/24 Analyzed: 02/12/24

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	4.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2406086-BLK1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2406086-BS1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike (2406086-MS1)					Source: E402055-24		Prepared: 02/08/24 Analyzed: 02/08/24		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike Dup (2406086-MSD1)					Source: E402055-24		Prepared: 02/08/24 Analyzed: 02/08/24		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	2.97	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2406087-BLK1)					Prepared: 02/08/24 Analyzed: 02/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2406087-BS1)					Prepared: 02/08/24 Analyzed: 02/09/24				
Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike (2406087-MS1)					Source: E402056-03		Prepared: 02/08/24 Analyzed: 02/09/24		
Diesel Range Organics (C10-C28)	299	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	56.7		50.0		113	50-200			

Matrix Spike Dup (2406087-MSD1)					Source: E402056-03		Prepared: 02/08/24 Analyzed: 02/09/24		
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	38-132	2.46	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2406088-BLK1)					Prepared: 02/08/24 Analyzed: 02/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.3		50.0		103	50-200			

LCS (2406088-BS1)					Prepared: 02/08/24 Analyzed: 02/09/24				
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Matrix Spike (2406088-MS1)					Source: E402056-25		Prepared: 02/08/24 Analyzed: 02/09/24		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			

Matrix Spike Dup (2406088-MSD1)					Source: E402056-25		Prepared: 02/08/24 Analyzed: 02/09/24		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	3.37	20	
Surrogate: n-Nonane	49.7		50.0		99.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2406060-BLK1)					Prepared: 02/06/24 Analyzed: 02/08/24				
Chloride	ND	20.0							
LCS (2406060-BS1)					Prepared: 02/06/24 Analyzed: 02/08/24				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2406060-MS1)					Source: E402054-21		Prepared: 02/06/24 Analyzed: 02/08/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2406060-MSD1)					Source: E402054-21		Prepared: 02/06/24 Analyzed: 02/08/24		
Chloride	256	20.0	250	ND	102	80-120	0.0418	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2406075-BLK1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Chloride	ND	20.0							
LCS (2406075-BS1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2406075-MS1)					Source: E402056-03		Prepared: 02/08/24 Analyzed: 02/09/24		
Chloride	274	20.0	250	23.5	100	80-120			
Matrix Spike Dup (2406075-MSD1)					Source: E402056-03		Prepared: 02/08/24 Analyzed: 02/09/24		
Chloride	275	20.0	250	23.5	101	80-120	0.346	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:33:47PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2406090-BLK1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Chloride	ND	20.0							
LCS (2406090-BS1)					Prepared: 02/08/24 Analyzed: 02/08/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2406090-MS1)					Source: E402056-24		Prepared: 02/08/24 Analyzed: 02/08/24		
Chloride	292	20.0	250	47.0	97.9	80-120			
Matrix Spike Dup (2406090-MSD1)					Source: E402056-24		Prepared: 02/08/24 Analyzed: 02/08/24		
Chloride	299	20.0	250	47.0	101	80-120	2.47	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:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/13/24 14:33

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

Haley Chavarra SA Unit Water Injection Facility

Client: Pima Environmental Services

Project:

Project Manager: Tom Bynum

Address: 5614 N. Lovington Hwy.

City, State, Zip Hobbs, NM. 88240

Phone: 580-748-1613

Email: tom@pimaoil.com

Report due by:

Bill To

Attention: Ridgeview Arizona Oil Corp.

Address:

City, State, Zip

Phone:

Email:

Pima Project # 7-300

Lab Use Only

Lab WO# E 402056

Job Number 21064-0001

TAT

1D 2D 3D Standard X

EPA Program

CWA SDWA

RCRA

State

NM CO UT AZ TX

X

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:16	2/3	S	1	S5-1'	1							X		
10:21				S5-2'	2									
10:36				S5-3'	3									
10:42				S5-4'	4									
10:48				S6-1'	5									
10:52				S6-2'	6									
11:08				S6-3'	7									
11:17				S6-4'	8									
11:26				S7-1'	9									
11:31				S7-2'	10									

## Additional Instructions:

Bill to Pima Environmental

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

Sampled by:

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 5°C on subsequent days.

Relinquished by: (Signature) Kurtine Hume	Date 2/5/24	Time 3:03	Received by: (Signature) Michelle Gough	Date 2-5-24	Time 1503	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) Michelle Gough	Date 2-5-24	Time 1730	Received by: (Signature) Andrew Nesso	Date 2-5-24	Time 1730	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) Andrew Nesso	Date 2-5-24	Time 2330	Received by: (Signature) AQ	Date 2-6-24	Time 0751	AVG Temp °C 4

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**



## Project Information

## Chain of Custody

Page 2 of 5

Huber Chavaron SA Unit Water Injection Facility

Client: <b>Pima Environmental Services</b>				Bill To: <b>Pidgeway Arizona Oil Corp.</b>				Lab Use Only				TAT				EPA Program			
Project: _____				Attention: _____				Lab WO# <b>E 402056</b>				Job Number <b>21014000</b>				1D 2D 3D Standard X			
Project Manager: <b>Tom Bynum</b>				Address: _____				Analysis and Method				NM TX				CWA SDWA			
Address: <b>5614 N. Lovington Hwy.</b>				City, State, Zip _____												RCRA			
City, State, Zip <b>Hobbs, NM. 88240</b>				Phone: _____				DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0				BGDOC NM BGDOC TX				State			
Phone: <b>580-748-1613</b>				Email: _____												NM CO UT AZ TX			
Email: <b>tom@pimaoil.com</b>				Pima Project # <b>7-300</b>												Remarks			
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	BGDOC NM	BGDOC TX	Remarks
11:36	2/3	S	1	S7-3'	11							X		
11:42				S7-4'	12									
11:49				S8-1'	13									
11:56				S8-2'	14									
11:59				S8-3'	15									
12:06				S8-4'	16									
12:11				S9-1'	17									
12:16				S9-2'	18									
12:20				S9-3'	19									
12:26				S9-4'	20									

**Additional Instructions:** Bill to Pima Environmental

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.

Sampled by: \_\_\_\_\_

Relinquished by: (Signature) Kirine Adams Date 2-5-24 Time 3:03 Received by: (Signature) Capella Corp Date 2-5-24 Time 1503

Relinquished by: (Signature) Michael Corp Date 2-5-24 Time 1730 Received by: (Signature) Andrew M. Goo Date 2-5-24 Time 1730

Relinquished by: (Signature) Andrew M. Goo Date 2-5-24 Time 2330 Received by: (Signature) Ali Date 2-6-24 Time 0751

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

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

Received on ice: (Y) / N

T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_

AVG Temp °C 4

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.



Harley Chavarras SA Unit Water Injection Facility

Client: Pima Environmental Services					Bill To: <u>Pidegway Arizona Oil/Corp.</u>					Lab Use Only					TAT				EPA Program							
Project: <u>Project Manager: Tom Bynum</u>					Attention: <u>Address:</u>					Lab WO# <u>E 402056</u>		Job Number <u>210104-0001</u>			1D	2D	3D	Standard	CWA	SDWA						
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip					Analysis and Method															RCRA	
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	Chloride 300.0	BGDOC NM	BGDOC TX	State								
Phone: <u>580-748-1613</u>					Email:													NM	CO	UT	AZ	TX				
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>7-300</u>													<input checked="" type="checkbox"/>								
Report due by:					Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks					
					12:30	2/3	S	1	S10-1'	21								X								
					12:35				S10-2'	22																
					12:41				S10-3'	23																
					12:56				S10-4'	24																
					12:59				SW1	25																
					1:08				SW2	26																
					1:11				SW3	27																
					1:16				SW4	28																
					1:21				SW5	29																
					1:26				SW6	30																
Additional Instructions: <u>Bill to Pima</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.											
Sampled by: <u>Andrew M. Goss</u>															Lab Use Only											
Relinquished by: (Signature) <u>Tom Bynum</u>					Date <u>2-5-24</u>		Time <u>3:03</u>		Received by: (Signature) <u>Andrew M. Goss</u>					Date <u>2-5-24</u>		Time <u>1503</u>			Received on ice: <u>(Y) N</u>							
Relinquished by: (Signature) <u>Andrew M. Goss</u>					Date <u>2-5-24</u>		Time <u>1730</u>		Received by: (Signature) <u>Andrew M. Goss</u>					Date <u>2-5-24</u>		Time <u>1730</u>			T1 _____ T2 _____ T3 _____							
Relinquished by: (Signature) <u>Andrew M. Goss</u>					Date <u>2-5-24</u>		Time <u>2330</u>		Received by: (Signature) <u>Andrew M. Goss</u>					Date <u>2-6-24</u>		Time <u>0751</u>			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.																										



## Project Information

Client: Pima Environmental Services

Bill To  
Attention: Ridgeway Arizona Oil Corp  
Address: \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Pima Project # 7-300

Pima Project # 7-300

Lab Use Only

TAT

EPA Program

1D	2D	3D	Standard
			X

	CWA	SDWA

## Analysis and Method

RCRA

State

NM	CO	UT	AZ	TX	
✓					

Remarks

Additional Instructions: Bill to Pinner Environments /

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:

Received by: (Signature)	Date	Time
<i>Middleburg</i>	2-5-24	1503
Received by: (Signature)	Date	Time
<i>Andrew M. 880</i>	2-5-24	1730
Received by: (Signature)	Date	Time
<i>AR</i>	2-6-24	0751

T1	T2	T3
----	----	----

AVG Temp °C 4

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

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

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



## Project Information

Client: Pima Environmental Services

Bill To  
Attention: Ridgeway Arizona Oil Corp  
Address: \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Pima Project # 7-300

**Bill To**

Attention: Ridgeway Arizona Oil Corp  
Address: \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Pima Project # 7-300

Pima Project # 7-300

Lab Use Only

Lab WO# E402056	Job Number 21014-07
--------------------	------------------------

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA
	RCRA

State

NM	CO	UT	AZ	TX
X				

Remarks

Additional Instructions: Bill to Pierre

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: (Y) N  
T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
AVG Temp °C 4

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

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

## Envirotech Analytical Laboratory

Printed: 2/6/2024 4:43:11PM

## 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:	02/06/24 07:51	Work Order ID:	E402056
Phone:	(575) 631-6977	Date Logged In:	02/06/24 08:32	Logged In By:	Angelina Pineda
Email:	tom@pimaoil.com	Due Date:	02/12/24 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: Courier**Comments/Resolution****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**

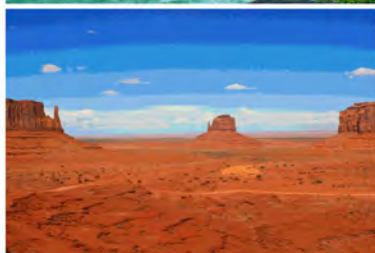
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Haley Water Facility

Work Order: E410140

Job Number: 21064-0001

Received: 10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/24

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.



Date Reported: 10/21/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Haley Water Facility  
Workorder: E410140  
Date Received: 10/15/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2024 8:00:00AM, under the Project Name: Haley Water Facility.

The analytical test results summarized in this report with the Project Name: Haley Water Facility 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/24 11:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 - 2'	E410140-01A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS2 - 2'	E410140-02A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS3 - 2'	E410140-03A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS4 - 2'	E410140-04A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS5 - 2'	E410140-05A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS6 - 2'	E410140-06A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS7 - 2'	E410140-07A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS8 - 2'	E410140-08A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS9 - 2'	E410140-09A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS10 - 2'	E410140-10A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS11 - 2'	E410140-11A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS12 - 2'	E410140-12A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS13 - 2'	E410140-13A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS14 - 2'	E410140-14A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS15 - 2'	E410140-15A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS16 - 2'	E410140-16A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS17 - 2'	E410140-17A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS18 - 2'	E410140-18A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS19 - 2'	E410140-19A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS20 - 2'	E410140-20A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS21 - 2'	E410140-21A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS22 - 2'	E410140-22A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CS23 - 2'	E410140-23A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW1 - Comp	E410140-24A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW2 - Comp	E410140-25A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW3 - Comp	E410140-26A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW4 - Comp	E410140-27A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW5 - Comp	E410140-28A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW6 - Comp	E410140-29A	Solid	10/11/24	10/15/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

### CS1 - 2'

#### E410140-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	67.9 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/15/24	





## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

## CS2 - 2'

## E410140-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	60.9 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/15/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS3 - 2'

E410140-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	85.8 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS4 - 2'

E410140-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	86.1 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

CS5 - 2'

E410140-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	84.8 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS6 - 2'

E410140-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	103 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	103 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	82.7 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS7 - 2'

E410140-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	85.9 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS8 - 2'

E410140-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	102 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	84.0 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS9 - 2'

E410140-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	77.4 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	





## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

## CS10 - 2'

## E410140-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	103 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	103 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	77.7 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/15/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS11 - 2'

E410140-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	84.6 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported: 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS12 - 2'

E410140-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442052	
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442060	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	81.7 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2442058	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported: 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS13 - 2'

E410140-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442052	
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442060	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	84.4 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2442058	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS14 - 2'

E410140-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/17/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/17/24	
Toluene	ND	0.0250	1	10/15/24	10/17/24	
o-Xylene	ND	0.0250	1	10/15/24	10/17/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/17/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/17/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/15/24	10/17/24	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/15/24	10/17/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	84.1 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS15 - 2'

E410140-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	99.5 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	99.5 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	82.1 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS16 - 2'

E410140-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	81.4 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

CS17 - 2'

E410140-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	82.2 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS18 - 2'

E410140-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	101 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	61.8 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS19 - 2'

E410140-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene		100 %	70-130	10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/15/24	10/18/24	
Surrogate: Toluene-d8		103 %	70-130	10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene		100 %	70-130	10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/15/24	10/18/24	
Surrogate: Toluene-d8		103 %	70-130	10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane		83.8 %	50-200	10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	





## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

## CS20 - 2'

## E410140-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/15/24	10/18/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/15/24	10/18/24	
Surrogate: Toluene-d8	100 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Surrogate: n-Nonane	78.0 %	50-200		10/15/24	10/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442058
Chloride	ND	20.0	1	10/15/24	10/16/24	



## Sample Data

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

Project Name: Haley Water Facility  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/21/2024 11:45:34AM

CS21 - 2'

E410140-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Haley Water Facility Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/21/2024 11:45:34AM
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CS22 - 2'

E410140-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	99.6 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS23 - 2'

E410140-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
<i>Surrogate: n-Nonane</i>						
	99.2 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1 - Comp  
E410140-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.1 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW2 - Comp  
E410140-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	96.1 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3 - Comp  
E410140-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.8 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	101 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW4 - Comp  
E410140-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.8 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	98.3 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW5 - Comp  
E410140-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.6 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	96.4 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	<b>Reported:</b> 10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW6 - Comp  
E410140-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Benzene	ND	0.0250	1	10/15/24	10/18/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/18/24	
Toluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2442050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.7 %	70-130		10/15/24	10/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2442068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane	95.9 %	50-200		10/15/24	10/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2442084	
Chloride	ND	20.0	1	10/15/24	10/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:  10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2442052-BLK1) Prepared: 10/15/24 Analyzed: 10/17/24

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	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

LCS (2442052-BS1) Prepared: 10/15/24 Analyzed: 10/17/24

Benzene	2.61	0.0250	2.50		104	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.78	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2442052-MS1) Source: E410140-08 Prepared: 10/15/24 Analyzed: 10/17/24

Benzene	2.61	0.0250	2.50	ND	104	48-131			
Ethylbenzene	2.54	0.0250	2.50	ND	101	45-135			
Toluene	2.48	0.0250	2.50	ND	99.4	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.60	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.536		0.500		107	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2442052-MSD1) Source: E410140-08 Prepared: 10/15/24 Analyzed: 10/17/24

Benzene	2.60	0.0250	2.50	ND	104	48-131	0.404	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	2.38	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	2.90	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	0.119	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	0.355	27	
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135	0.277	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:  10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: BA

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 (2442050-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

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 (2442050-BS1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	5.34	0.0250	5.00		107	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

LCS Dup (2442050-BSD1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	5.32	0.0250	5.00		106	70-130	0.340	20	
Ethylbenzene	5.19	0.0250	5.00		104	70-130	0.328	20	
Toluene	5.27	0.0250	5.00		105	70-130	0.0436	20	
o-Xylene	5.22	0.0250	5.00		104	70-130	0.472	20	
p,m-Xylene	10.5	0.0500	10.0		105	70-130	0.572	20	
Total Xylenes	15.8	0.0250	15.0		105	70-130	0.538	20	
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/2024 11:45:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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 (2442050-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

LCS (2442050-BS2) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	38.8	20.0	50.0		77.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS Dup (2442050-BSD2) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.0	70-130	0.685	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:  10/21/2024 11:45:34AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2442052-BLK1) Prepared: 10/15/24 Analyzed: 10/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

LCS (2442052-BS2) Prepared: 10/15/24 Analyzed: 10/17/24

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2442052-MS2) Source: E410140-08 Prepared: 10/15/24 Analyzed: 10/17/24

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2442052-MSD2) Source: E410140-08 Prepared: 10/15/24 Analyzed: 10/17/24

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130	4.65	20	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/2024 11:45:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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 (2442060-BLK1) Prepared: 10/15/24 Analyzed: 10/15/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

LCS (2442060-BS1) Prepared: 10/15/24 Analyzed: 10/15/24

Diesel Range Organics (C10-C28)	229	25.0	250		91.8	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike (2442060-MS1) Source: E410140-01 Prepared: 10/15/24 Analyzed: 10/16/24

Diesel Range Organics (C10-C28)	174	25.0	250	ND	69.4	38-132			
Surrogate: n-Nonane	35.4		50.0		70.7	50-200			

Matrix Spike Dup (2442060-MSD1) Source: E410140-01 Prepared: 10/15/24 Analyzed: 10/16/24

Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.3	38-132	21.7	20	R3
Surrogate: n-Nonane	40.3		50.0		80.7	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/2024 11:45:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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 (2442068-BLK1)					Prepared: 10/15/24 Analyzed: 10/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS (2442068-BS1)					Prepared: 10/15/24 Analyzed: 10/17/24				
Diesel Range Organics (C10-C28)	261	25.0	250		105	38-132			
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			

Matrix Spike (2442068-MS1)					Source: E410140-23		Prepared: 10/15/24 Analyzed: 10/17/24		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	49.5		50.0		98.9	50-200			

Matrix Spike Dup (2442068-MSD1)					Source: E410140-23		Prepared: 10/15/24 Analyzed: 10/17/24		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	38-132	0.979	20	
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/2024 11:45:34AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2442058-BLK1)					Prepared: 10/15/24 Analyzed: 10/15/24				
Chloride	ND	20.0							
LCS (2442058-BS1)					Prepared: 10/15/24 Analyzed: 10/15/24				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2442058-MS1)					Source: E410140-10		Prepared: 10/15/24 Analyzed: 10/15/24		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2442058-MSD1)					Source: E410140-10		Prepared: 10/15/24 Analyzed: 10/15/24		
Chloride	258	20.0	250	ND	103	80-120	0.120	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/2024 11:45:34AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2442084-BLK1)					Prepared: 10/15/24 Analyzed: 10/16/24				
Chloride	ND	20.0							
LCS (2442084-BS1)					Prepared: 10/15/24 Analyzed: 10/16/24				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2442084-MS1)					Source: E410143-03		Prepared: 10/15/24 Analyzed: 10/16/24		
Chloride	5300	40.0	250	5020	115	80-120			
Matrix Spike Dup (2442084-MSD1)					Source: E410143-03		Prepared: 10/15/24 Analyzed: 10/16/24		
Chloride	5500	40.0	250	5020	194	80-120	3.68	20	M4

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:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/21/24 11:45

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

Client: Pima Environmental Services		Attention: <u>Ridgeway</u> <sup>Bill To</sup>		Lab Use Only		TAT				EPA Program			
Project: <u>Haley Water Facility</u>		Address:		Lab WO# <u>E410140</u>		Job Number <u>21004-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		City, State, Zip		Analysis and Method									RCRA
Address: <u>5614 N. Lovington Hwy.</u>		Phone:											
City, State, Zip <u>Hobbs, NM. 88240</u>		Email:											
Phone: <u>806-782-1151</u>													
Email: <u>gio@pimaoil.com</u>													
Report due by:		Pima Project # <u>7-2-2</u>											

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	BGDOC NM	BGDOC TX	Remarks
8:01	10/11	S		CS1 - 2'	1							X		
8:06				CS2 - 2'	2									
8:11				CS3 - 2'	3									
8:13				CS4 - 2'	4									
8:15				CS5 - 2'	5									
8:20				CS6 - 2'	6									
8:24				CS7 - 2'	7									
8:36				CS8 - 2'	8									
8:49				CS9 - 2'	9									
8:56				CS10 - 2'	10									

## Additional Instructions:

Bill to Pima Environmental

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.

Sampled by:

Relinquished by: (Signature) <u>Karime Adame</u>	Date <u>10/14/24</u>	Time <u>1:48</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-14-24</u>	Time <u>1348</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>10-14-24</u>	Time <u>1640</u>	Received by: (Signature) <u>L.H.</u>	Date <u>10-14-24</u>	Time <u>1640</u>	
Relinquished by: (Signature) <u>L.H.</u>	Date <u>10-14-24</u>	Time <u>2245</u>	Received by: (Signature) <u>Cathy Man</u>	Date <u>10-15-24</u>	Time <u>8:00</u>	

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Haley Water Facility</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____					Bill To Attention: <u>Ridgeway</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>7-22</u>					Lab Use Only Lab WO# <u>R110140</u> Job Number <u>2004-000</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
Time Sampled		Date Sampled		Matrix		No. of Containers		Sample ID		Lab Number		State NM CO UT AZ TX <u>X</u>										Remarks			
9:00		10/11		S				CS11-2'		11															
9:14								CS12-2'		12															
9:18								CS13-2'		13															
9:20								CS14-2'		14															
9:26								CS15-2'		15															
9:37								CS16-2'		16															
9:39								CS17-2'		17															
9:42								CS18-2'		18															
9:56								CS19-2'		19															
10:00								CS20-2'		20															
Additional Instructions: <u>Bill to Pima Environmental</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) <u>Karine Adame</u>				Date <u>10/14/24</u>		Time <u>1:48</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>10-14-24</u>		Time <u>1348</u>		Lab Use Only Received on ice: <u>Y/N</u>									
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>10-14-24</u>		Time <u>1640</u>		Received by: (Signature) <u>L.H.</u>				Date <u>10-14-24</u>		Time <u>1640</u>		T1 T2 T3									
Relinquished by: (Signature) <u>L.H.</u>				Date <u>10-14-24</u>		Time <u>2245</u>		Received by: (Signature) <u>Carl Man</u>				Date <u>10-15-24</u>		Time <u>8:00</u>		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: 10/15/2024 10:14:30AM

## 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:	10/15/24 08:00	Work Order ID:	E410140
Phone:	(575) 631-6977	Date Logged In:	10/14/24 15:30	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	10/21/24 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? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Sampled by name and No. of containers are missing on COC by client.

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.

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 408506

**QUESTIONS**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 408506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2310847119
Incident Name	NAPP2310847119 HALEY CENTRAL WATER FACILITY @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fCH1903857157] HALEY WATER STATION

**Location of Release Source**

Please answer all the questions in this group.

Site Name	HALEY CENTRAL WATER FACILITY
Date Release Discovered	07/27/2022
Surface Owner	State

**Incident Details**

Please answer all the questions in this group.

Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Other   Other (Specify)   Crude Oil   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Contaminated soils stockpiled at location from unknown events. Measures approximately 100' x 45' at a height of approximately 14'. Contained inside fenced area.

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QUESTIONS, Page 2

Action 408506

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	408506
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: <a href="mailto:chinojosa@pedevco.com">chinojosa@pedevco.com</a> Date: 12/04/2024
--	--



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QUESTIONS, Page 3

Action 408506

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 408506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	321
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	676
GRO+DRO (EPA SW-846 Method 8015M)	546
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/04/2024
On what date will (or did) the final sampling or liner inspection occur	10/11/2024
On what date will (or was) the remediation complete(d)	10/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	4500
What is the estimated volume (in cubic yards) that will be reclaimed	250
What is the estimated surface area (in square feet) that will be remediated	4500
What is the estimated volume (in cubic yards) that will be remediated	250

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 408506

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 408506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: <a href="mailto:chinojosa@pedevco.com">chinojosa@pedevco.com</a> Date: 12/04/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 408506

QUESTIONS (continued)

Operator:  RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:  164557
	Action Number:  408506
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 408506

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 408506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	391191
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/11/2024
What was the (estimated) number of samples that were to be gathered	27
What was the sampling surface area in square feet	4500

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4500
What was the total volume (cubic yards) remediated	250
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4500
What was the total volume (in cubic yards) reclaimed	250
Summarize any additional remediation activities not included by answers (above)	Standard remediation occurred to clean up site to NMOCD closure criteria.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: <a href="mailto:chinojosa@pedevco.com">chinojosa@pedevco.com</a> Date: 12/04/2024
--	--

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QUESTIONS, Page 7  
  
Action 408506

QUESTIONS (continued)

Operator:  RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:  164557
	Action Number:  408506
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No



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CONDITIONS

Action 408506

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 408506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	12/18/2024