

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

June 19, 2024

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

RE: **Site Assessment and Remediation Work Plan**
 Morrison San Andres Unit 942H
 API No. 30-041-20985
 GPS: Latitude 33.79994 Longitude -103.47341
 UL "C", Section 16, Township 06S, Range 34E
 Roosevelt County, NM
 NMOCD Reference No. NRM2018232278

Ridgeway Arizona Oil Corp. (Ridgeway) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment and prepare this remediation work plan, for a crude oil and produced water release at the Morrison San Andres Unit 942H (Morrison). This incident was assigned Incident ID NRM2018232278, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Morrison is located approximately fourteen (14) miles NW of Elida, NM. This spill site is in Unit C, Section 16, Township 06S, Range 34E, Latitude 33.79994 Longitude -103.47341, 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 Ratliff fine sandy loam, 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 Morrison (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 150 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 173 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

NRM2018232278: On November 11, 2018, it was discovered that there was a hole in the 4" pipe due to corrosion that released 8 bbls of produced water. A vacuum truck was called and was able to recover 5 bbls of standing fluid.

Site Assessment

On February 26, 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 laboratory results from this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

2-26-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway Arizona Corporation- Morrison SA State Exploratory Unit 942H								
Sample Date: 2-26-24		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
S1	1'	ND	ND	ND	ND	ND	0	520
	2'	ND	ND	ND	ND	ND	0	8210
	3'	ND	ND	ND	ND	ND	0	8320
	4'	ND	ND	ND	ND	ND	0	7980
S2	1'	ND	ND	ND	ND	ND	0	168
	2'	ND	ND	ND	ND	ND	0	3850
	3'	ND	ND	ND	ND	ND	0	3980
	4'	ND	ND	ND	ND	ND	0	4940
S3	1'	ND	ND	ND	ND	ND	0	717
	2'	ND	ND	ND	ND	ND	0	710
	3'	ND	ND	ND	ND	ND	0	1560
	4'	ND	ND	ND	ND	ND	0	1510
S4	1'	ND	ND	ND	ND	ND	0	870
	2'	ND	ND	ND	ND	ND	0	845
	3'	ND	ND	ND	ND	ND	0	436
	4'	ND	ND	ND	ND	ND	0	424
S5	1'	ND	ND	ND	ND	ND	0	4980
	2'	ND	ND	ND	ND	ND	0	4750
	3'	ND	ND	ND	ND	ND	0	5620
	4'	ND	ND	ND	ND	ND	0	5510
S6	1'	ND	ND	ND	ND	ND	0	1470
	2'	ND	ND	ND	ND	ND	0	4780
	3'	ND	ND	ND	ND	ND	0	6000
	4'	ND	ND	ND	ND	ND	0	5590
S7	1'	ND	ND	ND	ND	ND	0	126
	2'	ND	ND	ND	ND	ND	0	90.5
	3'	ND	ND	ND	ND	ND	0	87.1
	4'	ND	ND	ND	ND	ND	0	111
S8	1'	ND	ND	ND	ND	ND	0	24.3
	2'	ND	ND	ND	ND	ND	0	72.7
	3'	ND	ND	ND	ND	ND	0	105

	4'	ND	ND	ND	ND	ND	0	112
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
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND – Non-Detect

Remediation Work Plan

On behalf of Ridgeway, Pima proposes to remediate this area by the following method:

1. Submit a one-call through the NM811 system.
2. The estimated volume of soil to be remediated is approximately 200 cubic yards. This is based on a 1,200 square foot area and an average depth of 4-1/2 feet bgs.
3. We propose to excavate the affected area using mechanical and hand equipment and dispose of the contaminated soil at an NMOCD-approved facility, a Site Map can be found in figure 4.
4. After Ridgeway submits a 48-hour notification, we will collect 5-point composite samples from the excavated areas. These sample points will include base samples from excavated areas, and sidewall samples from the walls of each excavations representative of no more than 200 square feet.
5. Upon final receipt of lab reports showing contamination levels are under the regulatory limits of Table 1 NMAC 19.15.29. The excavation will be backfilled with clean, like material, and a remediation closure report will be drafted and submitted to the NMOCD portal for review and approval.
6. Work will commence within 30 days of approval of this work plan by NMOCD and will be completed within 30 days after the start of construction.

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

Ridgeway Arizona Oil Corp – Charles Hinojosa – 713-574-7912 or chinojosa@pedevco.com.

Pima Environmental – DelRae Geller – 806-724-5391 or delrae@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Proposed Excavation Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – Photographic Documentation
- Appendix D – Laboratory Reports



Pima Environmental Services

Figures:

1. Location Map
2. Topographic Map
3. Karst Map
4. Site Map
5. Proposed Excavation Map

Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
Location Map

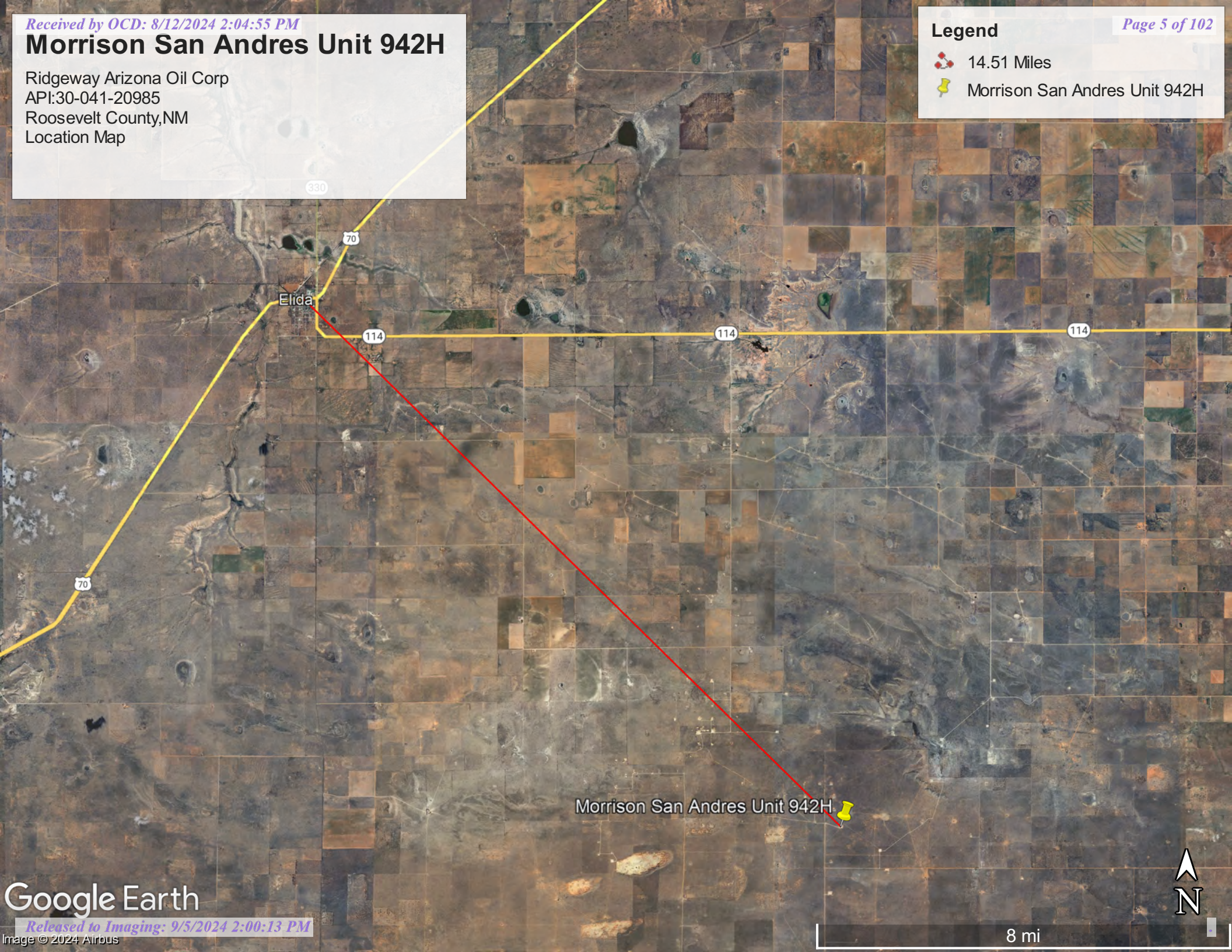
Legend



14.51 Miles



Morrison San Andres Unit 942H



Elida

330

70

114

114

114

70

Morrison San Andres Unit 942H



Google Earth




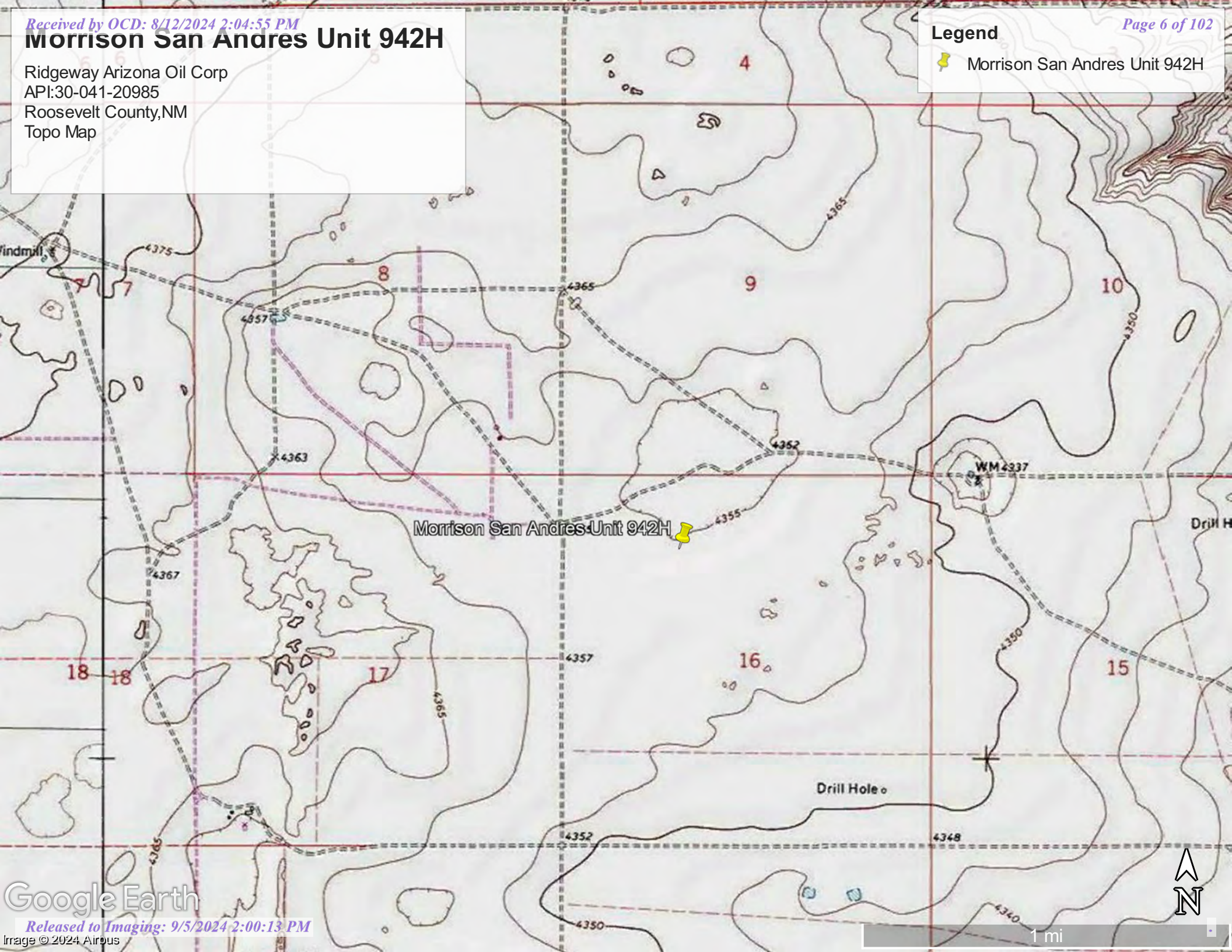
8 mi

Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
Topo Map

Legend

 Morrison San Andres Unit 942H




Google Earth

Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
Karst Map

Legend

-  Low Karst
-  High Karst
-  Medium Karst
-  Morrison San Andres Unit 942H






Morrison San Andres Unit 942H 

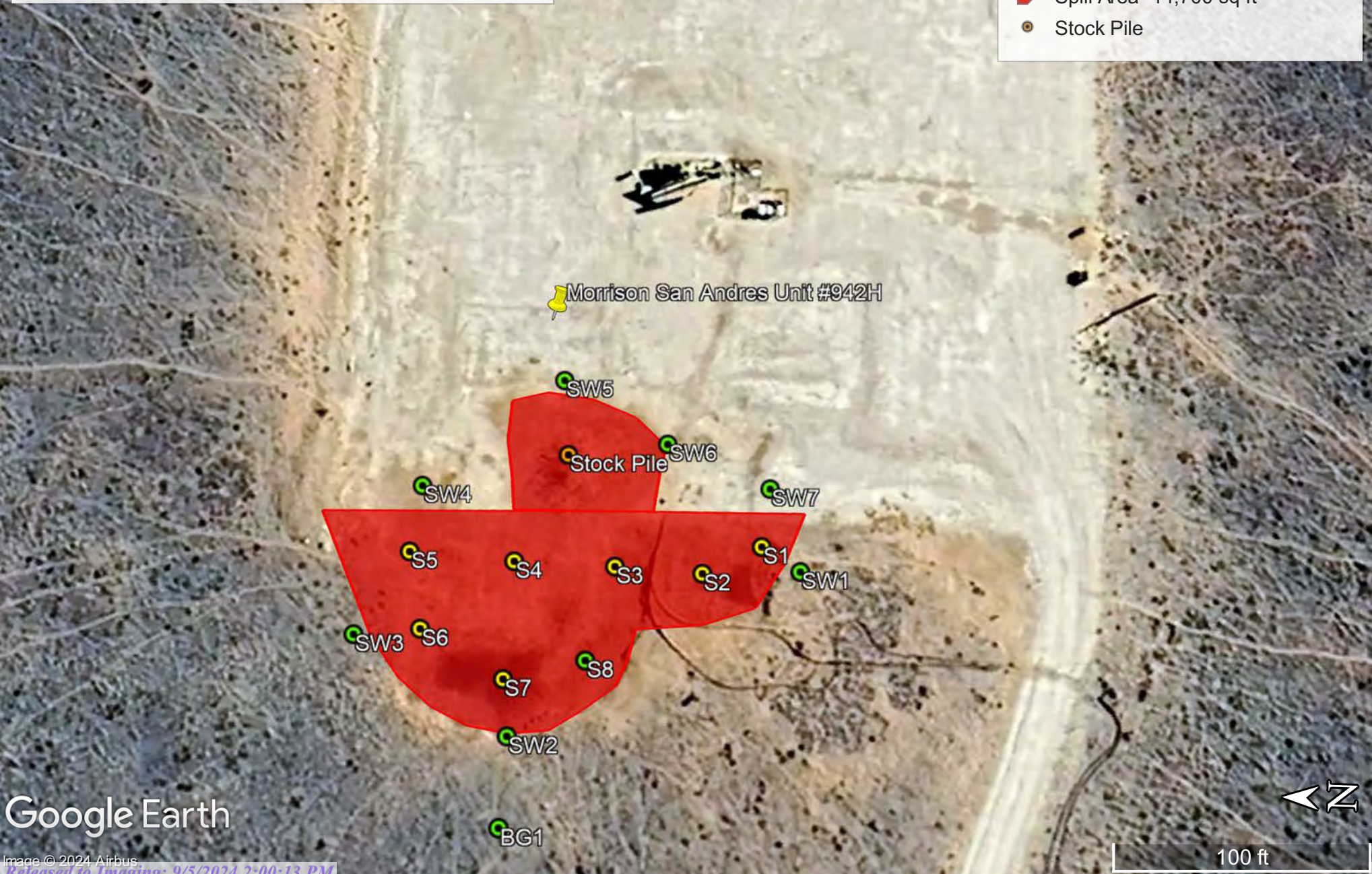


Morrison San Andres Unit #942H

Ridgeway Arizona Oil Corp.
API No #30-041-20985
Roosevelt County
Site Map

Legend

-  Sidewall/Background Samples
-  Morrison San Andres Unit
-  #942H Samples
-  Spill Area -14,700 sq ft
-  Stock Pile







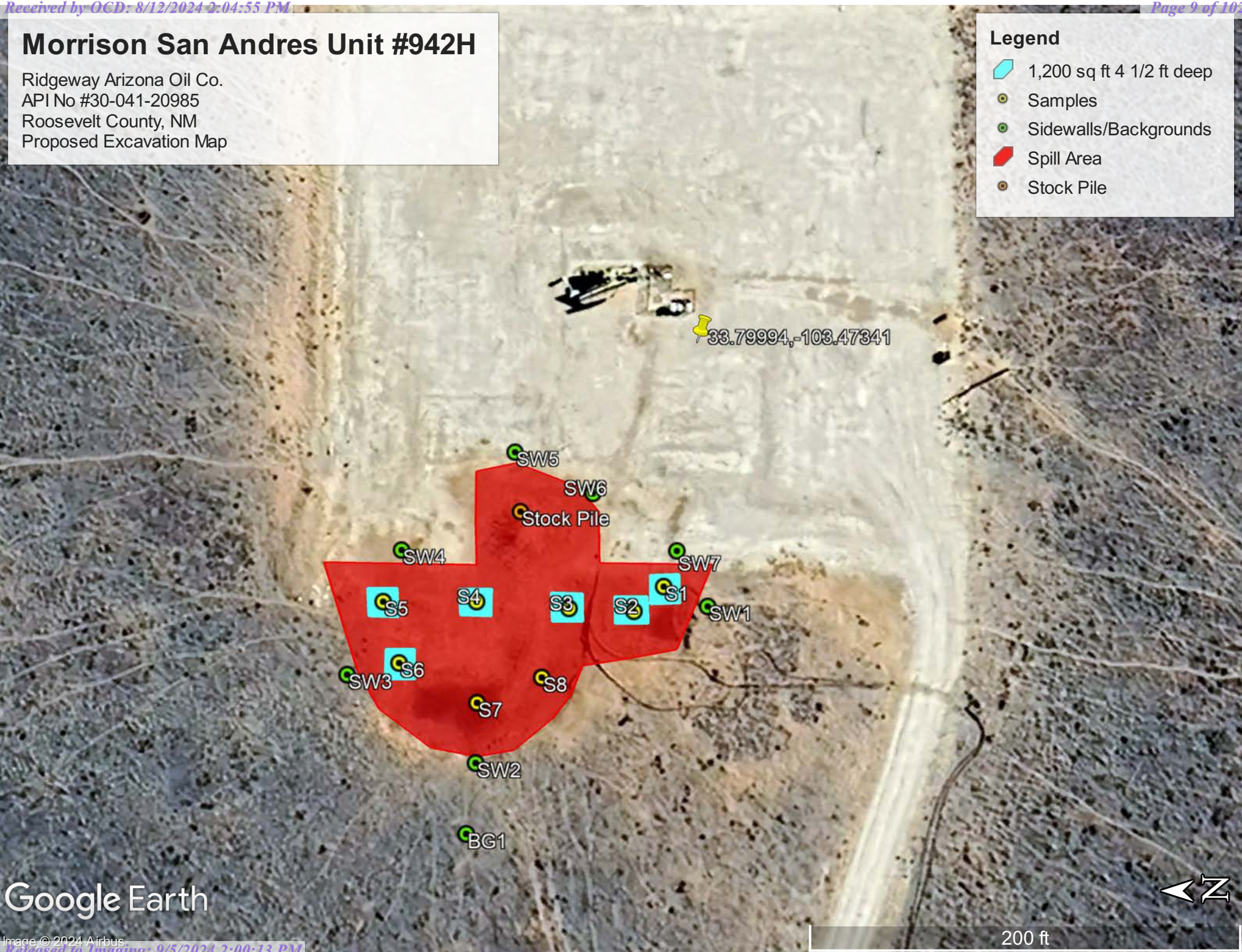
Google Earth

Morrison San Andres Unit #942H

Ridgeway Arizona Oil Co.
API No #30-041-20985
Roosevelt County, NM
Proposed Excavation Map

Legend

-  1,200 sq ft 4 1/2 ft deep
-  Samples
-  Sidewalls/Backgrounds
-  Spill Area
-  Stock Pile



Google Earth

200 ft



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Appendix A

Water Surveys:

OSE


USGS

Surface Water Map



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
21418	CL 00434 POD1	2	4	4	30	05S	33E	637816	3745308 




Driller License:	1844	Driller Company:	BENNETT FARM AND RANCH	
Driller Name:	MILTON BENNETT			
Drill Start Date:		Drill Finish Date:		Plug Date:
Log File Date:		PCW Rcv Date:		Source:
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:	6.00	Depth Well:	150 feet	Depth Water:

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.

Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
OSE Map

Legend

-  3.43 Miles
-  CL 00434 POD1
-  Morrison San Andres Unit 942H

CL 00434 POD1

Morrison San Andres Unit 942H

Google Earth



1 mi



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[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 =

- 334636103312301

Minimum number of levels = 1

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

USGS 334636103312301 06S.33E.24.133333

Available data for this site

Groundwater: Field measurements ▼

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12080001

Latitude 33°46'49.2", Longitude 103°31'33.6" NAD83

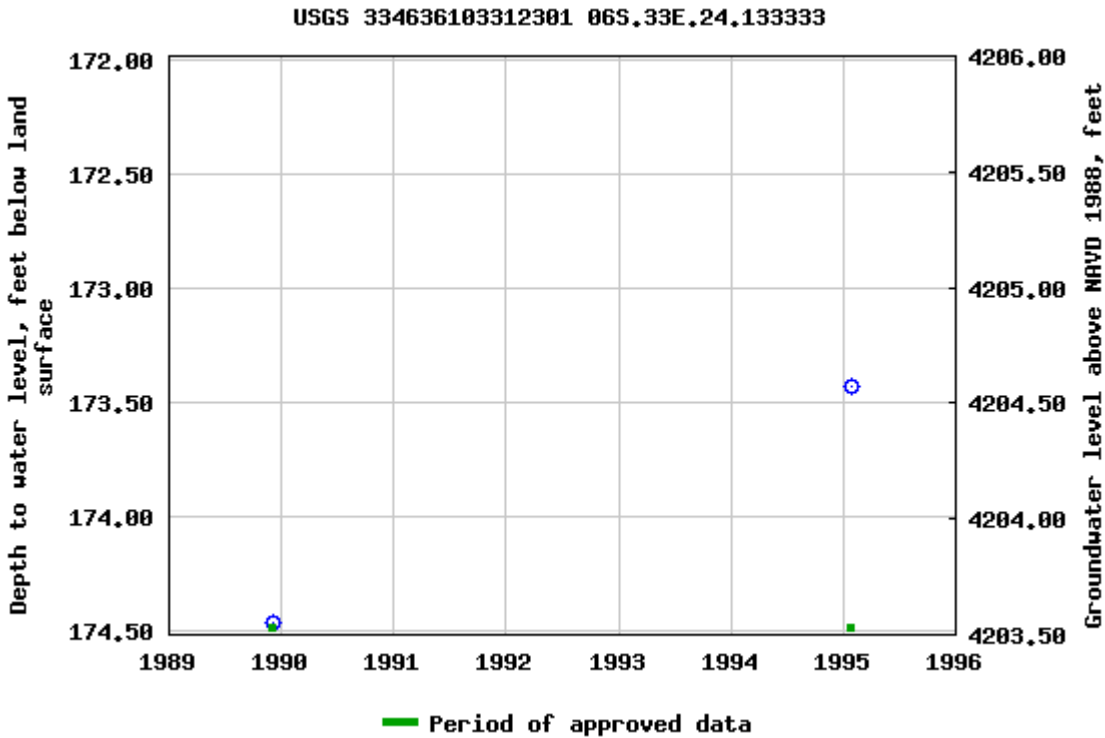
Land-surface elevation 4,378 feet above NAVD88

The depth of the well is 194 feet below land surface.

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

Output formats

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



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




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Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
USGS Map

Legend

-  3.32 Miles
-  Morrison San Andres Unit 942H
-  USGS 334636103312301



Google Earth

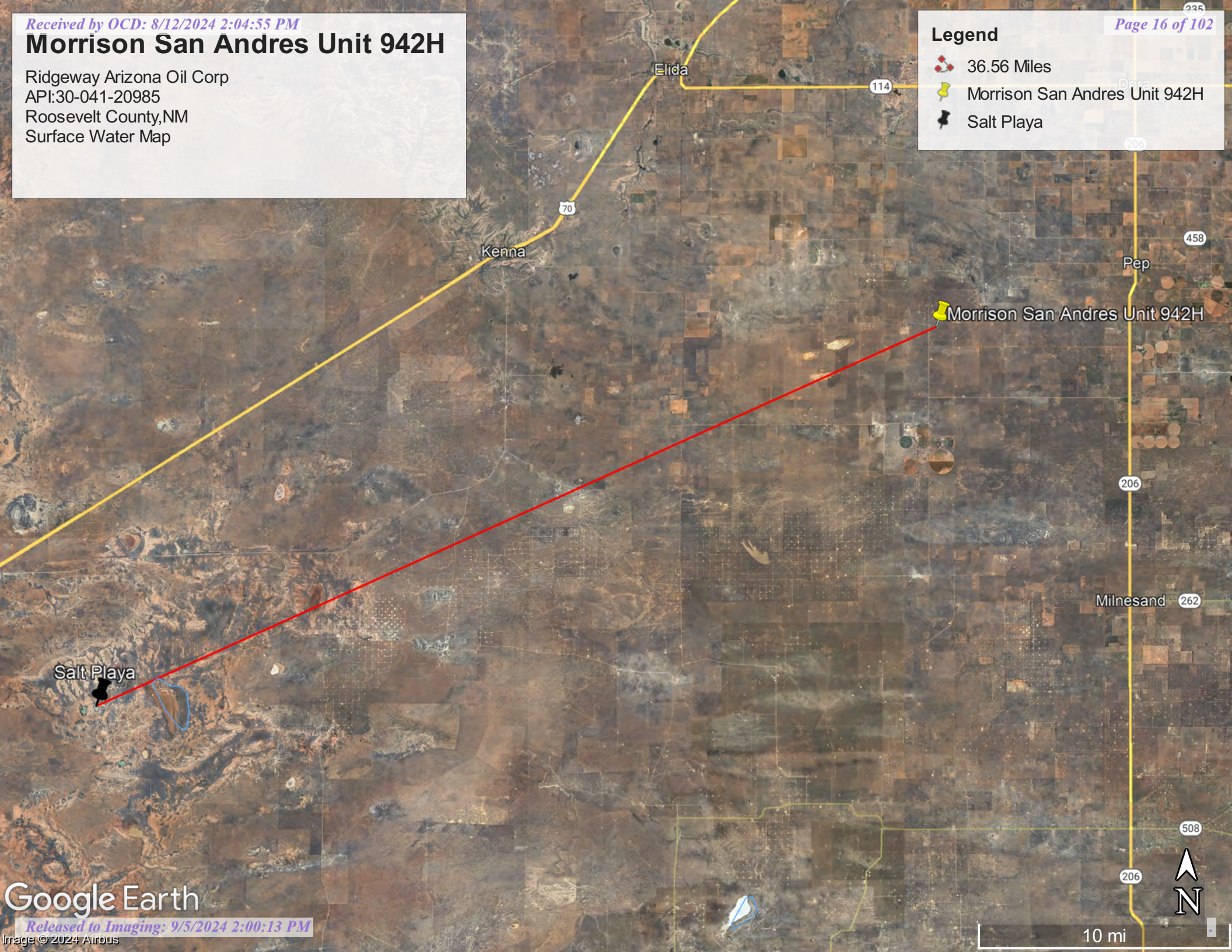


Morrison San Andres Unit 942H

Ridgeway Arizona Oil Corp
API:30-041-20985
Roosevelt County,NM
Surface Water Map

Legend

- 36.56 Miles
- Morrison San Andres Unit 942H
- Salt Playa



Google Earth

10 mi





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Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Ratliff fine sandy loam, 0 to 3 percent slopes---Roosevelt County, New Mexico

Morrison San Andres Unit 942H

Roosevelt County, New Mexico

RaB—Ratliff fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2qmyt

Elevation: 2,500 to 4,800 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

Ratliff and similar soils: 85 percent

Minor components: 15 percent

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

Description of Ratliff

Setting

Landform: Playa steps, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Calcareous loamy eolian deposits

Typical profile

A - 0 to 10 inches: fine sandy loam

Bw - 10 to 25 inches: clay loam

Bk1 - 25 to 67 inches: clay loam

Bk2 - 67 to 80 inches: clay 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 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 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): 3e

Map Unit Description: Ratliff fine sandy loam, 0 to 3 percent slopes---Roosevelt County, New Mexico

Morrison San Andres Unit 942H

Hydrologic Soil Group: B
Ecological site: R077DY042TX - Limy Upland 12-17" PZ
Hydric soil rating: No

Minor Components

Delphos

Percent of map unit: 10 percent
Landform: Plains, draws
Landform position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Linear
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Douro

Percent of map unit: 5 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

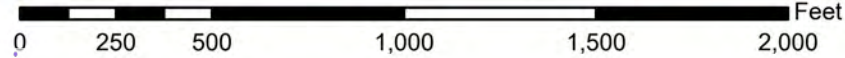
Data Source Information

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

National Flood Hazard Layer FIRMMette



103°28'43"W 33°48'15"N



1:6,000

103°28'6"W 33°47'45"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	
		20.2 Cross Sections with 1% Annual Chance	
OTHER FEATURES		17.5 Water Surface Elevation	
		Coastal Transect	
		Base Flood Elevation Line (BFE)	
		Limit of Study	
		Jurisdiction Boundary	
		Coastal Transect Baseline	
		Profile Baseline	
		Hydrographic Feature	
	MAP PANELS		Digital Data Available
			No Digital Data Available
		Unmapped	

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

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

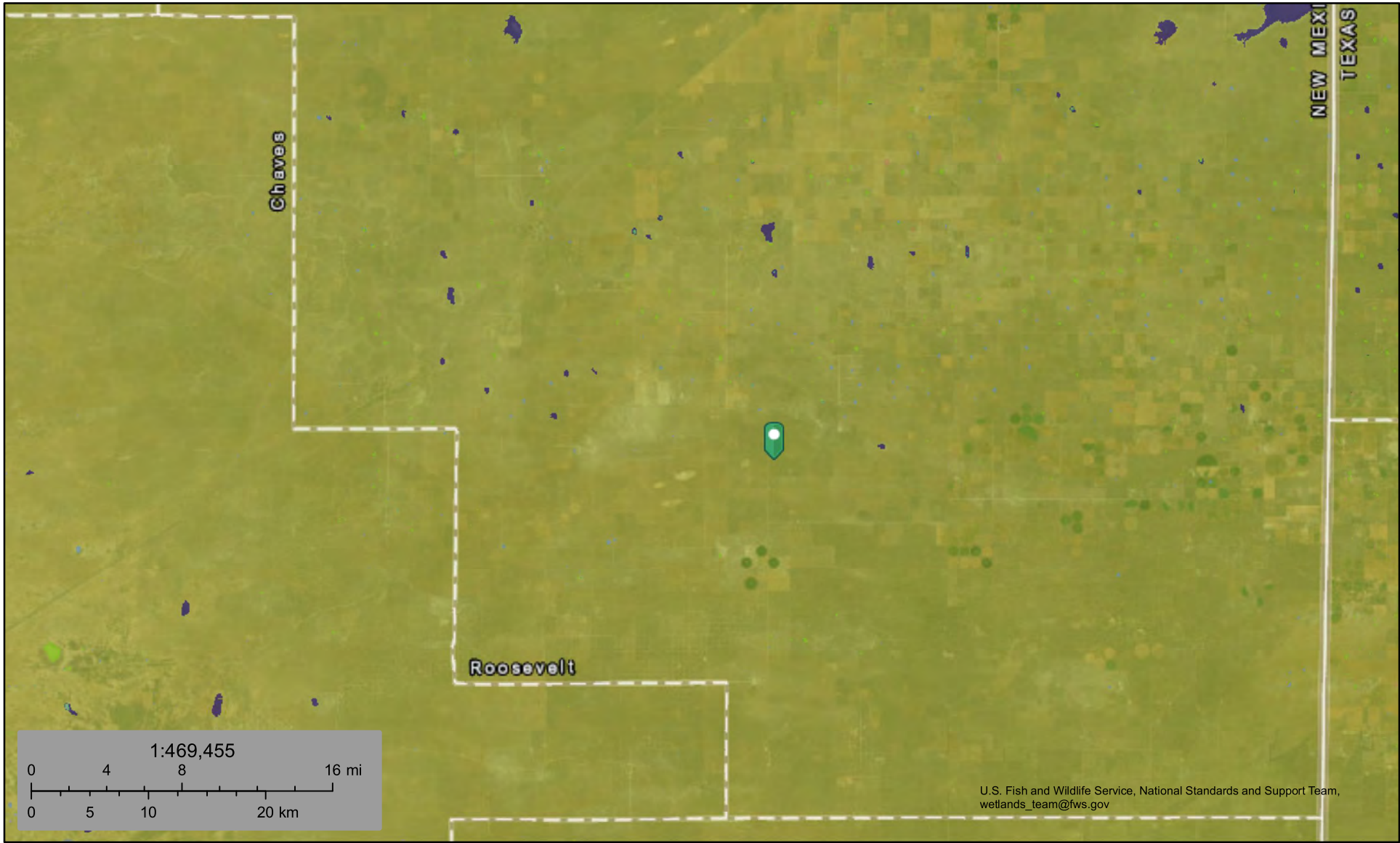
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/14/2024 at 3:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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


Released to Imaging: 9/5/2024 2:00:13 PM

Received by OCD: 8/14/2024 2:04:55 PM

Page 20 of 102



May 14, 2024

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

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

Photographic Documentation



RIDGEWAY ARIZONA OIL CORP
MORRISON SAN ANDRES UNIT 942H
SITE PHOTOGRAPHS

ASSESSMENT-







Pima Environmental Services

Appendix D

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Morrison SA State Exploratory Unit
942H

Work Order: E402252

Job Number: 21064-0001

Received: 2/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/5/24

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: 3/5/24



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Morrison SA State Exploratory Unit 942H
Workorder: E402252
Date Received: 2/28/2024 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/28/2024 6:00:00AM, under the Project Name: Morrison SA State Exploratory Unit 942H.

The analytical test results summarized in this report with the Project Name: Morrison SA State Exploratory Unit 942H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	6
Sample Data	8
S1 -1'	8
S1 -2'	9
S1 -3'	10
S1 -4'	11
S2 -1'	12
S2 -2'	13
S2 -3'	14
S2 -4'	15
S3 -1'	16
S3 -2'	17
S3 -3'	18
S3 -4'	19
S4 -1'	20
S4 -2'	21
S4 -3'	22
S4 -4'	23
S5 -1'	24
S5 -2'	25
S5 -3'	26
S5 -4'	27

Table of Contents (continued)

S6 -1'	28
S6 -2'	29
S6 -3'	30
S6 -4'	31
S7 -1'	32
S7 -2'	33
S7 -3'	34
S7 -4'	35
S8 -1'	36
S8 -2'	37
S8 -3'	38
S8 -4'	39
SW1	40
SW2	41
SW3	42
SW4	43
SW5	44
SW6	45
SW7	46
SW8	47
SW9	48
SW10	49
BG1	50
QC Summary Data	51
QC - Volatile Organic Compounds by EPA 8260B	51

Table of Contents (continued)

QC - Volatile Organics by EPA 8021B	52
QC - Nonhalogenated Organics by EPA 8015D - GRO	54
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	57
QC - Anions by EPA 300.0/9056A	60
Definitions and Notes	63
Chain of Custody etc.	64

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/05/24 14:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 -1'	E402252-01A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S1 -2'	E402252-02A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S1 -3'	E402252-03A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S1 -4'	E402252-04A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S2 -1'	E402252-05A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S2 -2'	E402252-06A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S2 -3'	E402252-07A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S2 -4'	E402252-08A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S3 -1'	E402252-09A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S3 -2'	E402252-10A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S3 -3'	E402252-11A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S3 -4'	E402252-12A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S4 -1'	E402252-13A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S4 -2'	E402252-14A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S4 -3'	E402252-15A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S4 -4'	E402252-16A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S5 -1'	E402252-17A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S5 -2'	E402252-18A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S5 -3'	E402252-19A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S5 -4'	E402252-20A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S6 -1'	E402252-21A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S6 -2'	E402252-22A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S6 -3'	E402252-23A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S6 -4'	E402252-24A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S7 -1'	E402252-25A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S7 -2'	E402252-26A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S7 -3'	E402252-27A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S7 -4'	E402252-28A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S8 -1'	E402252-29A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S8 -2'	E402252-30A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S8 -3'	E402252-31A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
S8 -4'	E402252-32A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW1	E402252-33A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW2	E402252-34A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW3	E402252-35A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW4	E402252-36A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW5	E402252-37A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW6	E402252-38A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW7	E402252-39A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW8	E402252-40A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.



Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 03/05/24 14:31
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
SW9	E402252-41A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
SW10	E402252-42A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
BG1	E402252-43A	Soil	02/26/24	02/28/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S1 -1'

E402252-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	90.1 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	520	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S1 -2'

E402252-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	83.2 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	8210	200	10	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1 -3'

E402252-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	85.1 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	8320	200	10	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S1 -4'

E402252-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	88.1 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	7980	200	10	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -1'

E402252-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	93.2 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	168	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -2'

E402252-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
<i>Surrogate: n-Nonane</i>						
	86.1 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	3850	40.0	2	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -3'

E402252-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	3980	40.0	2	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 -4'

E402252-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
Surrogate: n-Nonane	92.0 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	4940	100	5	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S3 -1'

E402252-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	99.6 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	717	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 -2'

E402252-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	85.5 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	710	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S3 -3'

E402252-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	83.3 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	1560	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S3 -4'

E402252-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	1510	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -1'

E402252-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	83.5 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	870	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S4 -2'

E402252-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	79.9 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	845	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -3'

E402252-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	84.2 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	436	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4 -4'

E402252-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	86.4 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	424	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Morrison SA State Exploratory Unit 942H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 3/5/2024 2:31:52PM
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S5 -1'

E402252-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	80.0 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	4980	40.0	2	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5 -2'

E402252-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	76.2 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	4750	40.0	2	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S5 -3'

E402252-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	79.3 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	5620	40.0	2	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5 -4'

E402252-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409063	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	79.6 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2409057	
Chloride	5510	40.0	2	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S6 -1'

E402252-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	1470	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6 -2'

E402252-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.4 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
Surrogate: n-Nonane	93.0 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	4780	40.0	2	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S6 -3'

E402252-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2409045
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2409045
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2409064
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2409058
Chloride	6000	100	5	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S6 -4'

E402252-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	5590	40.0	2	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7 -1'

E402252-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	126	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S7 -2'

E402252-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	90.5	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7 -3'

E402252-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	87.1	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S7 -4'

E402252-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
<i>Surrogate: n-Nonane</i>						
	92.3 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	111	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8 -1'

E402252-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
Surrogate: n-Nonane	94.6 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	24.3	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8 -2'

E402252-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
Surrogate: n-Nonane	87.7 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	72.7	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S8 -3'

E402252-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	105	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

S8 -4'

E402252-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	112	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

SW1

E402252-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

SW2

E402252-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

SW3

E402252-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E402252-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5

E402252-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

SW6

E402252-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

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

Project Name: Morrison SA State Exploratory Unit 942H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
3/5/2024 2:31:52PM

SW7

E402252-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.1 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported: 3/5/2024 2:31:52PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW8

E402252-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Benzene	ND	0.0250	1	02/28/24	03/02/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/02/24	
Toluene	ND	0.0250	1	02/28/24	03/02/24	
o-Xylene	ND	0.0250	1	02/28/24	03/02/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/02/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2409045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		02/28/24	03/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2409064	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/02/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		02/29/24	03/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2409058	
Chloride	ND	20.0	1	02/28/24	02/29/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Morrison SA State Exploratory Unit 942H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 3/5/2024 2:31:52PM
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SW9

E402252-41

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Benzene	ND	0.0250	1	02/28/24	03/05/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/05/24	
Toluene	ND	0.0250	1	02/28/24	03/05/24	
o-Xylene	ND	0.0250	1	02/28/24	03/05/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/05/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/05/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/28/24	03/05/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/28/24	03/05/24	
Surrogate: Toluene-d8		104 %	70-130	02/28/24	03/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/05/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/28/24	03/05/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/28/24	03/05/24	
Surrogate: Toluene-d8		104 %	70-130	02/28/24	03/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	03/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	03/01/24	
Surrogate: n-Nonane		108 %	50-200	02/29/24	03/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2409051
Chloride	ND	20.0	1	02/28/24	02/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Morrison SA State Exploratory Unit 942H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 3/5/2024 2:31:52PM
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SW10

E402252-42

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Benzene	ND	0.0250	1	02/28/24	03/05/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/05/24	
Toluene	ND	0.0250	1	02/28/24	03/05/24	
o-Xylene	ND	0.0250	1	02/28/24	03/05/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/05/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/05/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/28/24	03/05/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	02/28/24	03/05/24	
Surrogate: Toluene-d8		107 %	70-130	02/28/24	03/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/05/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/28/24	03/05/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	02/28/24	03/05/24	
Surrogate: Toluene-d8		107 %	70-130	02/28/24	03/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
Surrogate: n-Nonane		111 %	50-200	02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2409051
Chloride	ND	20.0	1	02/28/24	02/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Morrison SA State Exploratory Unit 942H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 3/5/2024 2:31:52PM
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BG1
E402252-43

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		105 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		105 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
Surrogate: n-Nonane		110 %	50-200	02/29/24	02/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2409051
Chloride	ND	20.0	1	02/28/24	02/28/24	



Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2409046-BLK1)

Prepared: 02/28/24 Analyzed: 03/02/24

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	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2409046-BS1)

Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.81	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.567		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike (2409046-MS1)

Source: E402252-42

Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	2.66	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135			
Toluene	2.61	0.0250	2.50	ND	104	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.35	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.02	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike Dup (2409046-MSD1)

Source: E402252-42

Prepared: 02/28/24 Analyzed: 03/04/24

Benzene	2.58	0.0250	2.50	ND	103	48-131	2.98	23	
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	7.07	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	3.03	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	1.56	27	
p,m-Xylene	5.23	0.0500	5.00	ND	104	43-135	2.31	27	
Total Xylenes	7.86	0.0250	7.50	ND	105	43-135	2.06	27	
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

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 (2409044-BLK1) Prepared: 02/28/24 Analyzed: 03/01/24

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 7.26 8.00 90.8 70-130

LCS (2409044-BS1) Prepared: 02/28/24 Analyzed: 03/01/24

Benzene	4.92	0.0250	5.00		98.4	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	4.89	0.0250	5.00		97.7	70-130			
o-Xylene	4.82	0.0250	5.00		96.4	70-130			
p,m-Xylene	9.83	0.0500	10.0		98.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 92.7 70-130

Matrix Spike (2409044-MS1) Source: E402252-02 Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.51 8.00 93.9 70-130

Matrix Spike Dup (2409044-MSD1) Source: E402252-02 Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	5.84	0.0250	5.00	ND	117	54-133	14.6	20	
Ethylbenzene	5.79	0.0250	5.00	ND	116	61-133	14.9	20	
Toluene	5.81	0.0250	5.00	ND	116	61-130	14.9	20	
o-Xylene	5.76	0.0250	5.00	ND	115	63-131	15.1	20	
p,m-Xylene	11.6	0.0500	10.0	ND	116	63-131	14.6	20	
Total Xylenes	17.4	0.0250	15.0	ND	116	63-131	14.8	20	

Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

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 (2409045-BLK1)Prepared: 02/28/24 Analyzed: 03/02/24

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	7.42		8.00		92.7	70-130			

LCS (2409045-BS1)Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	4.99	0.0250	5.00		99.8	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.90	0.0250	5.00		98.1	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike (2409045-MS1)Source: E402252-22Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	4.92	0.0250	5.00	ND	98.5	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.7	61-133			
Toluene	4.90	0.0250	5.00	ND	98.0	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131			
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2409045-MSD1)Source: E402252-22Prepared: 02/28/24 Analyzed: 03/02/24

Benzene	4.98	0.0250	5.00	ND	99.7	54-133	1.23	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133	1.18	20	
Toluene	4.95	0.0250	5.00	ND	99.0	61-130	1.02	20	
o-Xylene	4.90	0.0250	5.00	ND	97.9	63-131	1.36	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	1.13	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	1.20	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

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 (2409044-BLK1) Prepared: 02/28/24 Analyzed: 03/01/24

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

LCS (2409044-BS2) Prepared: 02/28/24 Analyzed: 03/01/24

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike (2409044-MS2) Source: E402252-02 Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2409044-MSD2) Source: E402252-02 Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	0.762	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

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 (2409045-BLK1) Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2409045-BS2) Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike (2409045-MS2) Source: E402252-22 Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2409045-MSD2) Source: E402252-22 Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.387	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2409046-BLK1) Prepared: 02/28/24 Analyzed: 03/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2409046-BS2) Prepared: 02/28/24 Analyzed: 03/04/24

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.569		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

Matrix Spike (2409046-MS2) Source: E402252-42 Prepared: 02/28/24 Analyzed: 03/04/24

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.570		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

Matrix Spike Dup (2409046-MSD2) Source: E402252-42 Prepared: 02/28/24 Analyzed: 03/05/24

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130	4.16	20	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.574		0.500		115	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2409063-BLK1)					Prepared: 02/29/24 Analyzed: 02/29/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS (2409063-BS1)					Prepared: 02/29/24 Analyzed: 02/29/24				
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			

Matrix Spike (2409063-MS1)				Source: E402252-04		Prepared: 02/29/24 Analyzed: 02/29/24			
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			

Matrix Spike Dup (2409063-MSD1)				Source: E402252-04		Prepared: 02/29/24 Analyzed: 02/29/24			
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	38-132	2.30	20	
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2409064-BLK1)					Prepared: 02/29/24 Analyzed: 03/01/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2409064-BS1)					Prepared: 02/29/24 Analyzed: 03/01/24				
Diesel Range Organics (C10-C28)	297	25.0	250		119	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2409064-MS1)					Source: E402252-25		Prepared: 02/29/24 Analyzed: 03/01/24		
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	51.2		50.0		102	50-200			

Matrix Spike Dup (2409064-MSD1)					Source: E402252-25		Prepared: 02/29/24 Analyzed: 03/01/24		
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	38-132	1.49	20	
Surrogate: n-Nonane	56.3		50.0		113	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2409065-BLK1)					Prepared: 02/29/24 Analyzed: 02/29/24				
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 (2409065-BS1)					Prepared: 02/29/24 Analyzed: 02/29/24				
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			

Matrix Spike (2409065-MS1)					Source: E402254-01		Prepared: 02/29/24 Analyzed: 02/29/24		
Diesel Range Organics (C10-C28)	8770	50.0	250	8390	153	38-132			M4
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike Dup (2409065-MSD1)					Source: E402254-01		Prepared: 02/29/24 Analyzed: 02/29/24		
Diesel Range Organics (C10-C28)	8390	50.0	250	8390	2.83	38-132	4.36	20	M4
Surrogate: n-Nonane	54.2		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

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 (2409051-BLK1)					Prepared: 02/28/24 Analyzed: 02/28/24				
Chloride	ND	20.0							
LCS (2409051-BS1)					Prepared: 02/28/24 Analyzed: 02/28/24				
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2409051-MS1)					Source: E402248-02		Prepared: 02/28/24 Analyzed: 02/28/24		
Chloride	298	20.0	250	48.0	99.9	80-120			
Matrix Spike Dup (2409051-MSD1)					Source: E402248-02		Prepared: 02/28/24 Analyzed: 02/28/24		
Chloride	300	20.0	250	48.0	101	80-120	0.716	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2409057-BLK1)					Prepared: 02/28/24 Analyzed: 02/29/24				
Chloride	ND	20.0							
LCS (2409057-BS1)					Prepared: 02/28/24 Analyzed: 02/29/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2409057-MS1)					Source: E402252-04		Prepared: 02/28/24 Analyzed: 02/29/24		
Chloride	7660	200	250	7980	NR	80-120			M4
Matrix Spike Dup (2409057-MSD1)					Source: E402252-04		Prepared: 02/28/24 Analyzed: 02/29/24		
Chloride	7100	200	250	7980	NR	80-120	7.53	20	M4



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Morrison SA State Exploratory Unit 942H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/5/2024 2:31:52PM

Anions by EPA 300.0/9056A

Analyst: WF

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 (2409058-BLK1)					Prepared: 02/28/24 Analyzed: 02/29/24				
Chloride	ND	20.0							
LCS (2409058-BS1)					Prepared: 02/28/24 Analyzed: 02/29/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2409058-MS1)					Source: E402252-23		Prepared: 02/28/24 Analyzed: 02/29/24		
Chloride	5940	100	250	6000	NR	80-120			M4
Matrix Spike Dup (2409058-MSD1)					Source: E402252-23		Prepared: 02/28/24 Analyzed: 02/29/24		
Chloride	5960	100	250	6000	NR	80-120	0.179	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:	Morrison SA State Exploratory Unit 942H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/05/24 14:31

- 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.
- 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

Unit 94ZH

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program									
Project: Morrison SA State Exploratory					Attention: Ridgeway		Lab WO# E402252		Job Number 2104 0001		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA							
Address: 5614 N. Lovington Hwy.					City, State, Zip										State							
City, State, Zip Hobbs, NM, 88240					Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX	
Phone: 580-748-1613					Email:																	
Email: tom@pimaoil.com					Pima Project # 7-3																	
Report due by:																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																
8:12	2/26	S		S1-1'	1	X																
8:16				S1-2'	2																	
8:28				S1-3'	3																	
8:39				S1-4'	4																	
8:45				S2-1'	5																	
8:51				S2-2'	6																	
9:16				S2-3'	7																	
9:23				S2-4'	8																	
9:38				S3-1'	9																	
9:53				S3-2'	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.

Relinquished by: (Signature) Karime Adams Date 2/27/24 Time 1:17 Received by: (Signature) Michelle Cuyf Date 2-27-24 Time 1317

Relinquished by: (Signature) Michelle Cuyf Date 2-27-24 Time 1628 Received by: (Signature) Andrew Messo Date 2-27-24 Time 1730

Relinquished by: (Signature) Andrew Messo Date 2-27-24 Time 2400 Received by: (Signature) Kuyf & Hall Date 2-28-24 Time 0600

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.

Lab Use Only
Received on ice: Y/N
T1 T2 T3
AVG Temp °C 4

Project Information

Chain of Custody

Page 2 of 5

Client: Pima Environmental Services ^{942 H}					Bill To		Lab Use Only		TAT				EPA Program			
Project: Morrison SA State Exploratory Unit					Attention: Ridgeway		Lab WO# E402252		Job Number 21064-0001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 7-3											
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	State	
															NM CO UT AZ TX X	
															Remarks	
10:06	2/26	S		S3-3'	11								X			
10:18				S3-4'	12											
10:26				S4-1'	13											
10:33				S4-2'	14											
10:46				S4-3'	15											
10:59				S4-4'	16											
11:03				S5-1'	17											
11:16				S5-2'	18											
11:27				S5-3'	19											
11:34				S5-4'	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.										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.						
Sampled by:										Lab Use Only						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: Y / N				
Karime Adams		2/27/24		1:17		Michelle Cuyf		2-27-24		1317						
Michelle Cuyf		2-27-24		1628		Andrew		2-27-24		1730		T1 T2 T3				
Andrew		2-27-24		2400		Kyrlegh H Hall		2-28-24		0600		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.																

Chain of Custody

Project Information

Morrison SA State Exploratory Unit 942 H

[illegible]

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:

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 6°C on subsequent days.

Relinquished by: (Signature) <i>Korinne Adams</i>	Date 2-27-24	Time 1:17	Received by: (Signature) <i>Micelle Cuyf</i>	Date 2-27-24	Time 1:17	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <i>4</i>
Relinquished by: (Signature) <i>Micelle Cuyf</i>	Date 2-27-24	Time 1:28	Received by: (Signature) <i>Andrew McBo</i>	Date 2-27-24	Time 1:30	
Relinquished by: (Signature) <i>Andrew McBo</i>	Date 2-27-24	Time 2:00	Received by: (Signature) <i>Kristen K Hall</i>	Date 2-28-24	Time 00:00	

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

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

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

Project Information

Chain of Custody

Page 4 of 5

Morrison SA State Exploratory Unit 942H

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Morrison SA State Exploratory Unit 942H					Attention: <u>Ridgeway</u>		Lab WOH: <u>E 402252</u>		Job Number: <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method							X		
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>7-3</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX		Remarks
1:25	2/26	S		S8-3'	31								X			
1:33				S8-4'	32											
1:39				SW1	33											
1:45				SW2	34											
1:56				SW3	35											
2:16				SW4	36											
2:19				SW5	37											
2:26				SW6	38											
2:33				SW7	39											
2:39				SW8	40											

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:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Karime Adame</u>	<u>2/27/24</u>	<u>1:17</u>	<u>Michelle Gayle</u>	<u>2-27-24</u>	<u>1317</u>	
<u>Michelle Gayle</u>	<u>2-27-24</u>	<u>1628</u>	<u>Andrew MBB</u>	<u>2-27-24</u>	<u>1730</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Andrew MBB</u>	<u>2-27-24</u>	<u>2400</u>	<u>Kyler D Hall</u>	<u>2-28-24</u>	<u>0600</u>	

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

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

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



Project Information

Chain of Custody

Page 5 of 5

Morrison SA State Exploratory Unit 942 H

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: Ridgeway
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 7-3

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 402252	210624-0001				X		
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
						X	
State							
NM	CO	UT	AZ	TX			
X							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
2:48	2/26	S		SW9	41							X		
2:53	I	I		SW10	42									
2:54	I	I		BGI	43									

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:

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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
Karine Adams		2/27/24	1:17	Michelle Gough		2/27/24	1317	Received on Ice: <u>Y</u> / N	
Michelle Gough		2/27/24	1628	Andrew McShane		2/27/24	1730	T1 _____ T2 _____ T3 _____	
Andrew McShane		2/27/24	2400	Karyn H. Hall		2/28/24	0600	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

Envirotech Analytical Laboratory

Printed: 2/28/2024 2:43:17PM

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:	02/28/24 06:00	Work Order ID:	E402252
Phone:	(575) 631-6977	Date Logged In:	02/27/24 16:27	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/05/24 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 | Carrier: <u>Courier</u> |
| 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.

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? | Yes |

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Date sampled on pg. 3 not documented on COC by client.

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

Date



envirotech Inc.

Envirotech Analytical Laboratory

Printed: 2/28/2024 2:43:17PM

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:	02/28/24 06:00	Work Order ID:	E402252
Phone:	(575) 631-6977	Date Logged In:	02/27/24 16:27	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/05/24 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

Carrier: Courier

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

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? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Date sampled on pg. 3 not documented on COC by client.

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

Date



envirotech Inc.

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

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

QUESTIONS

Action 372877

QUESTIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	372877
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2018232278
Incident Name	NRM2018232278 MORRISON SASEU #942H @ 30-041-20985
Incident Type	Release Other
Incident Status	Remediation Plan Received
Incident Well	[30-041-20985] MORRISON SAN ANDRES UNIT #942H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MORRISON SASEU #942H
Date Release Discovered	06/28/2020
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release 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 Flow Line - Production Crude Oil Released: 20 BBL Recovered: 10 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Other Flow Line - Production Produced Water Released: 300 BBL Recovered: 110 BBL Lost: 190 BBL.
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)	Not answered.

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, Page 2

Action 372877

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:	164557
	Action Number:	372877
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: chinojosa@pedevco.com Date: 08/12/2024
--	---

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

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1000 Rio Brazos Rd., Aztec, NM 87410
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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, Page 3

Action 372877

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	372877
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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)	Between 1 and 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
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.	
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)	8320
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
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	09/12/2024
On what date will (or did) the final sampling or liner inspection occur	02/26/2024
On what date will (or was) the remediation complete(d)	11/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1200
What is the estimated volume (in cubic yards) that will be remediated	200

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.

District I
1625 N. French Dr., Hobbs, NM 88240
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District II
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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
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Oil Conservation Division
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QUESTIONS, Page 4
Action 372877

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:	164557
	Action Number:	372877
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: chinojosa@pedevco.com Date: 08/12/2024
<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 372877

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372877
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 372877

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372877
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 372877

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372877
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Due to the lack of groundwater data, the site will need to be remediated to the strictest closure criteria standards. Please make sure all floor sample locations are fully delineated and meet OCD Table 1 standards for <50' depth to groundwater. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. A closure report will need to be completed and uploaded within 90 days.	9/5/2024